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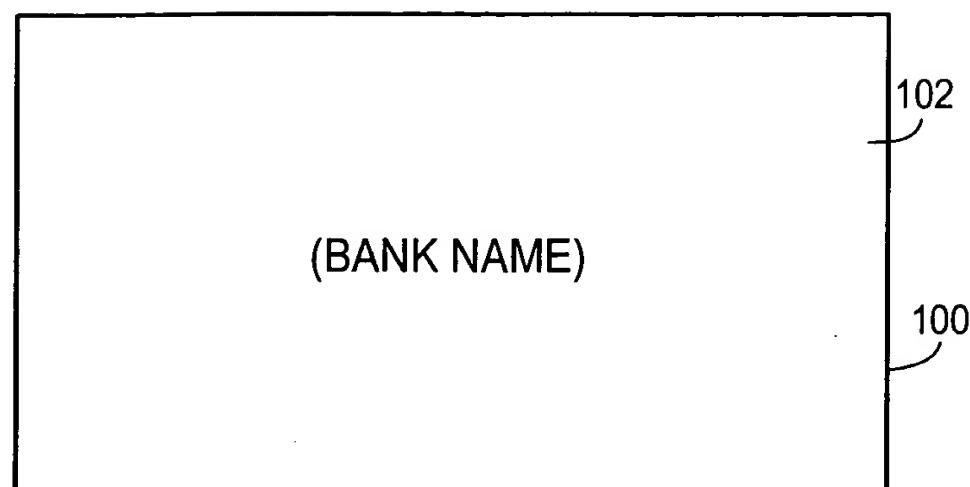
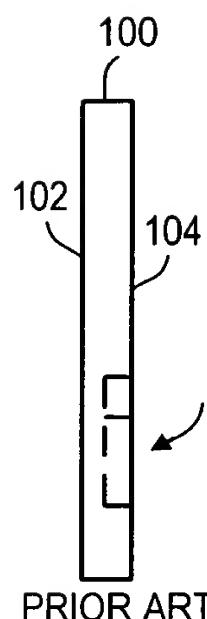
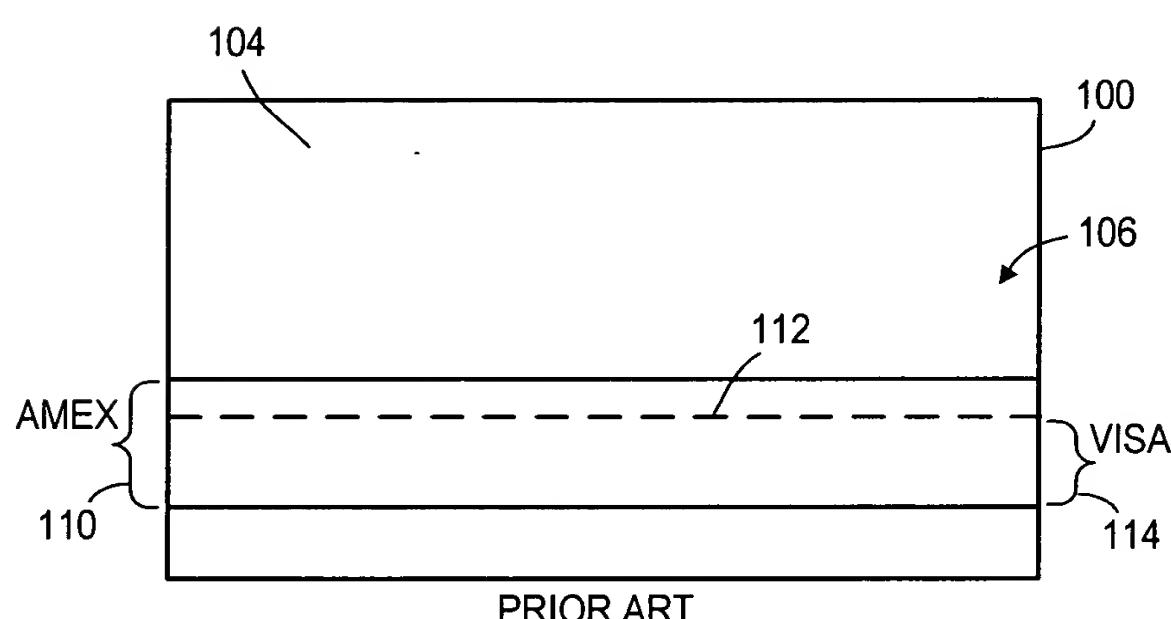


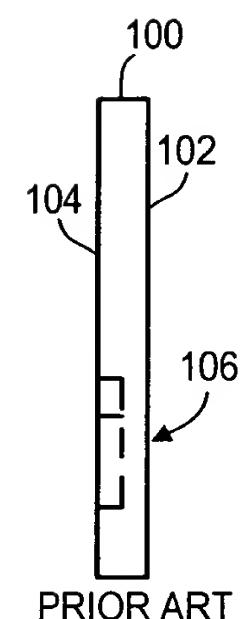
Fig. 1



PRIOR ART



PRIOR ART

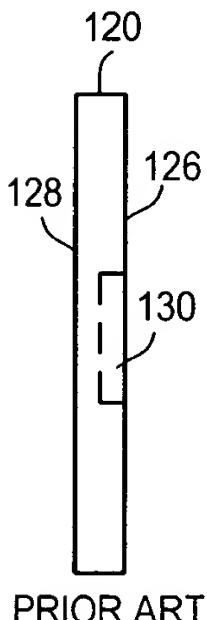


PRIOR ART

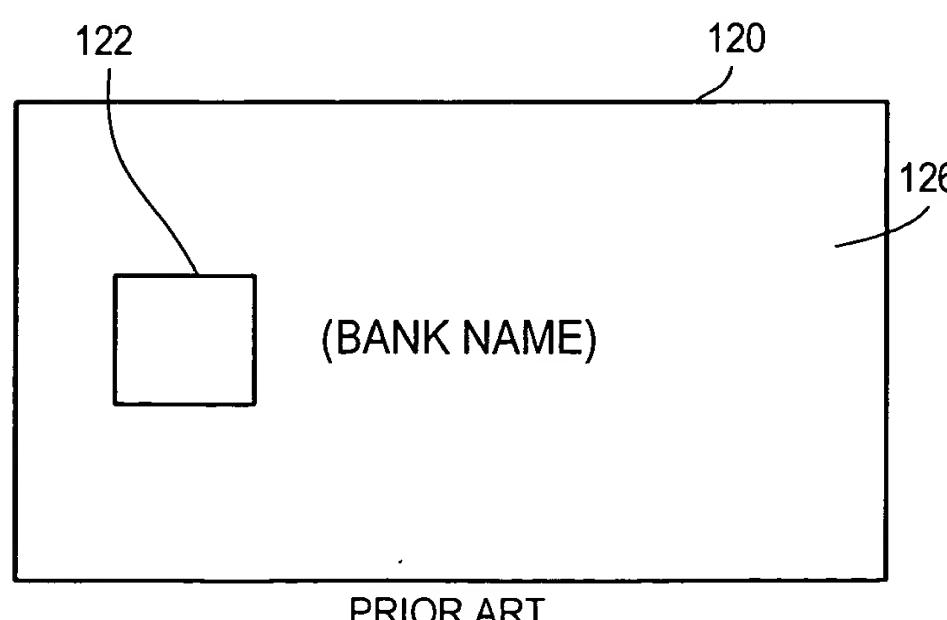
Fig. 4

Fig. 2

Fig. 3



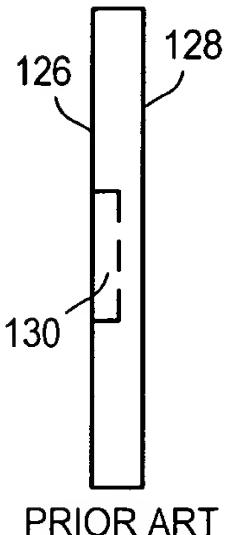
PRIOR ART



PRIOR ART

Fig. 7

Fig. 5



PRIOR ART

Fig. 6

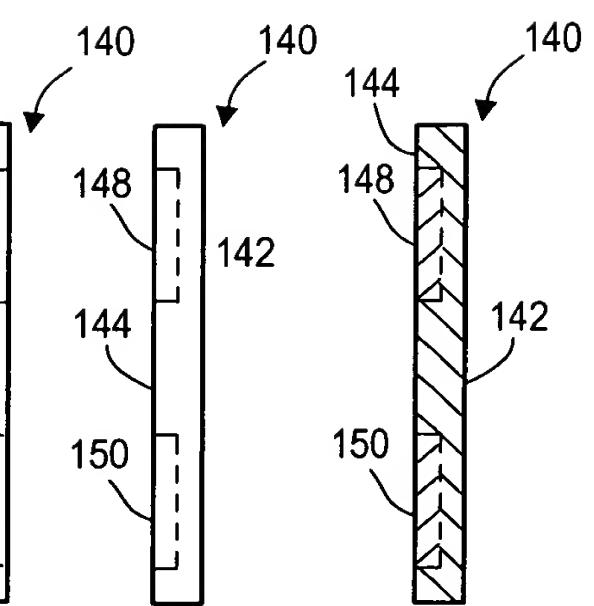
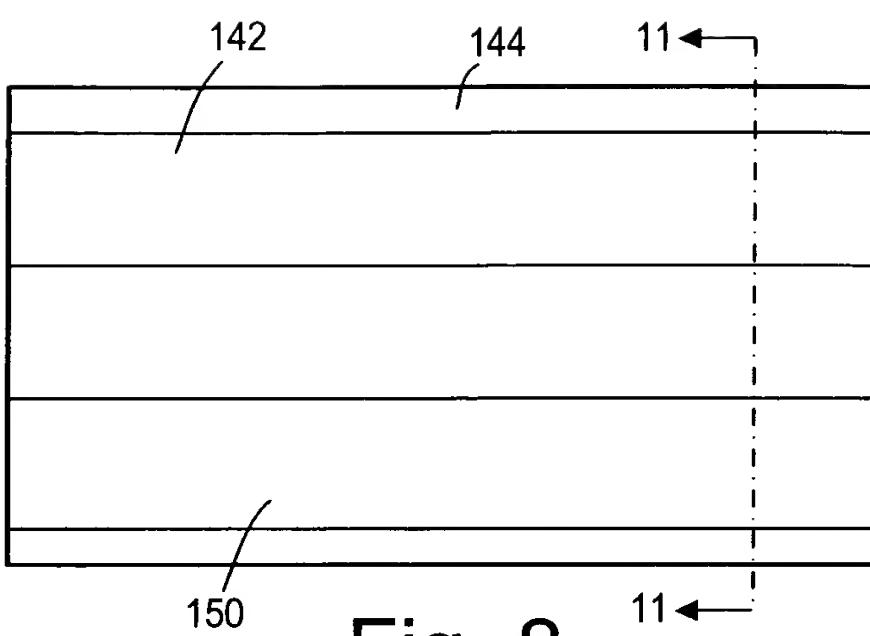
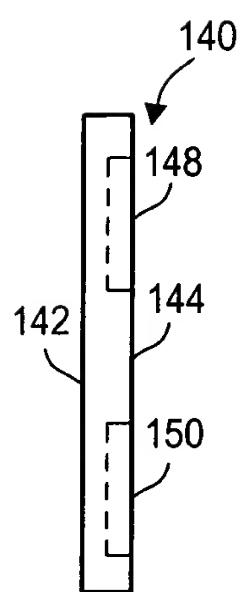
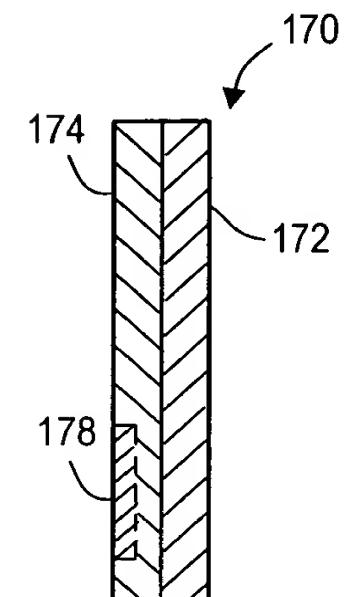
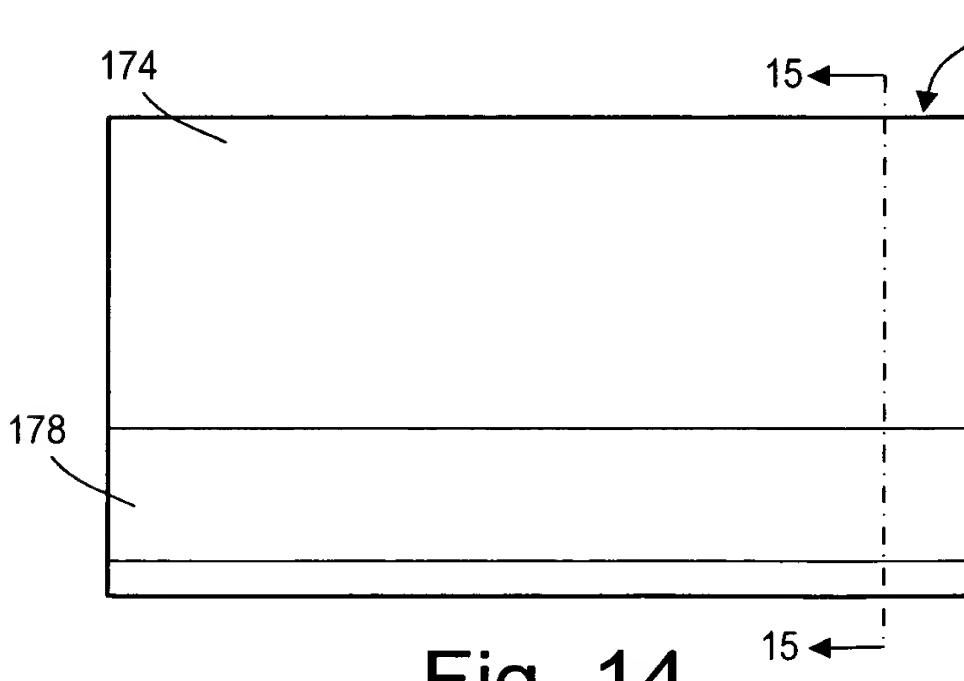
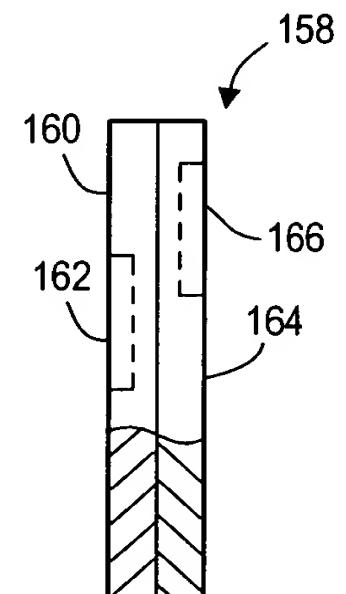
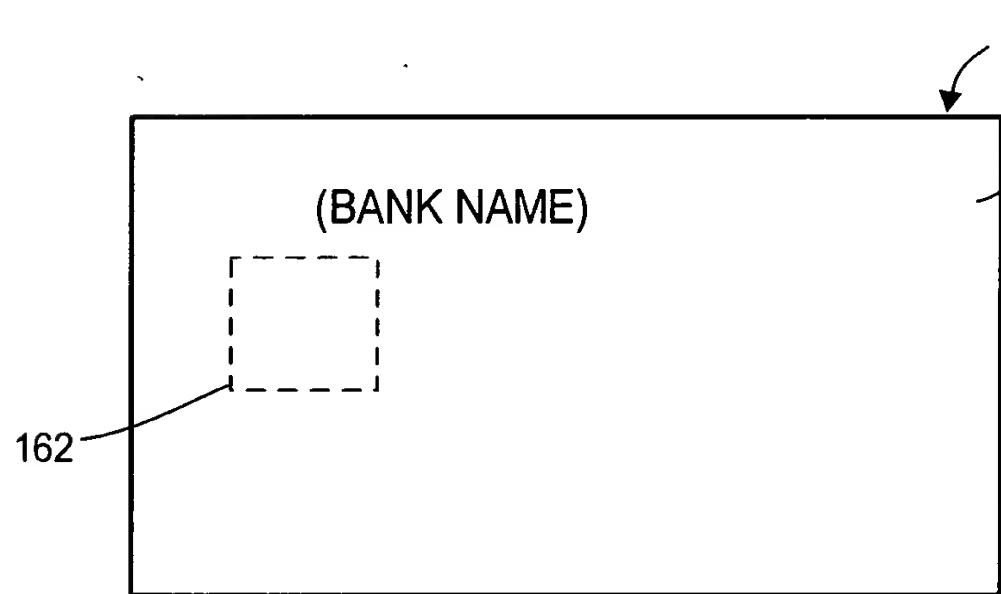


Fig. 11



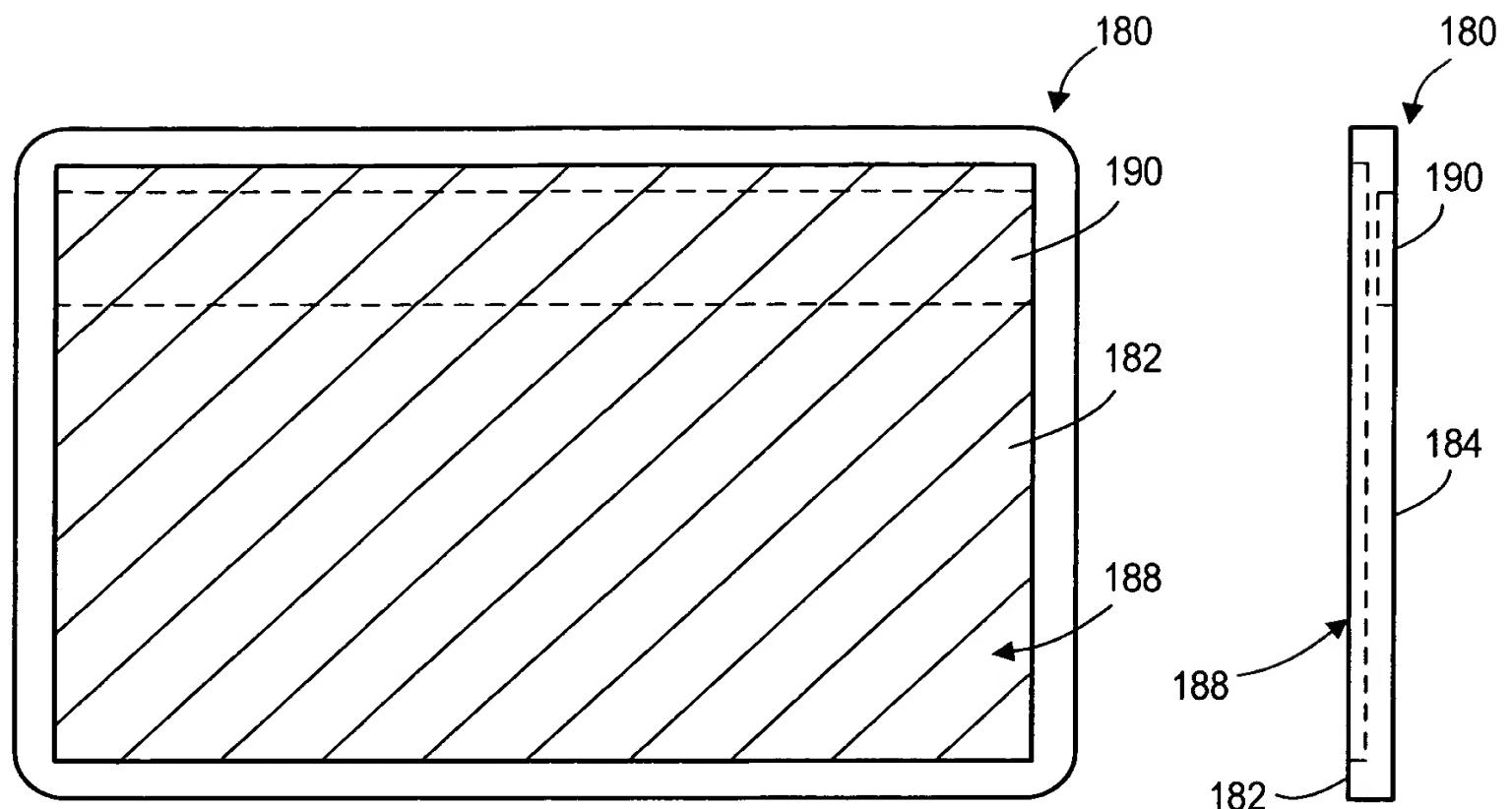


Fig. 16

Fig. 17

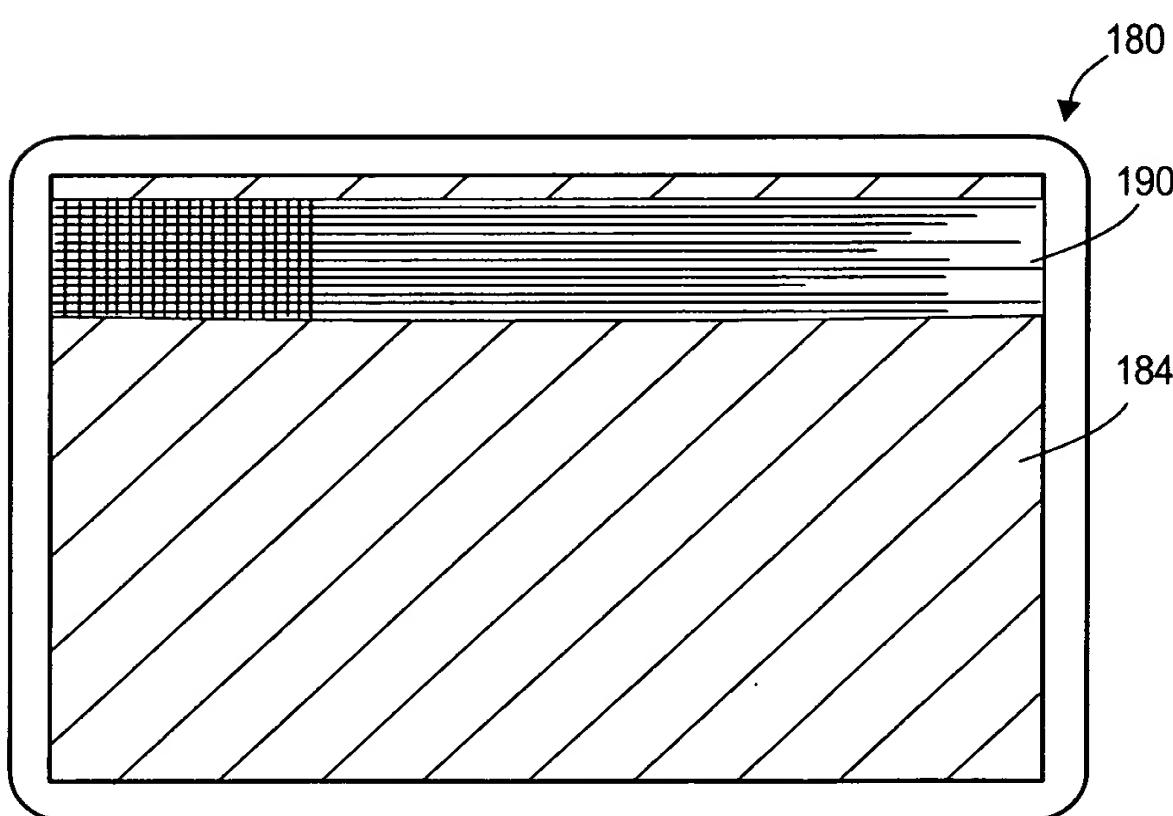


Fig. 18

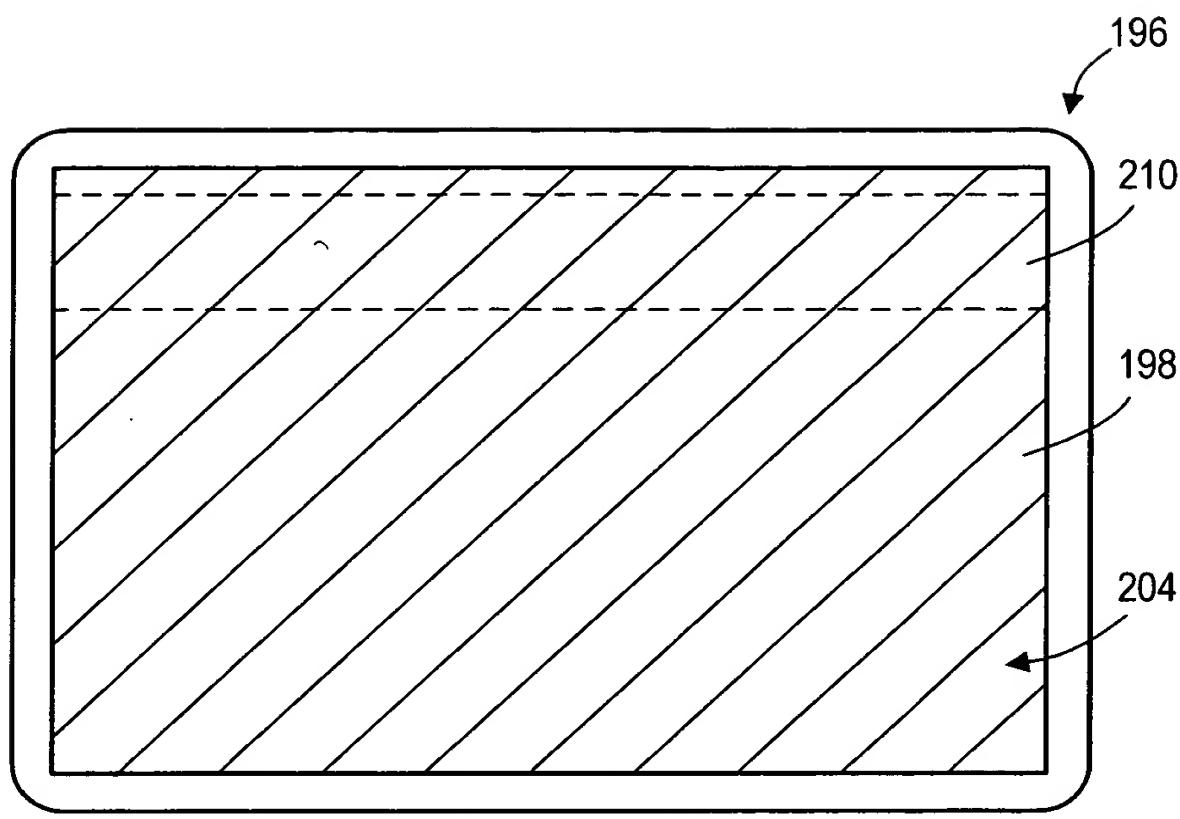


Fig. 19

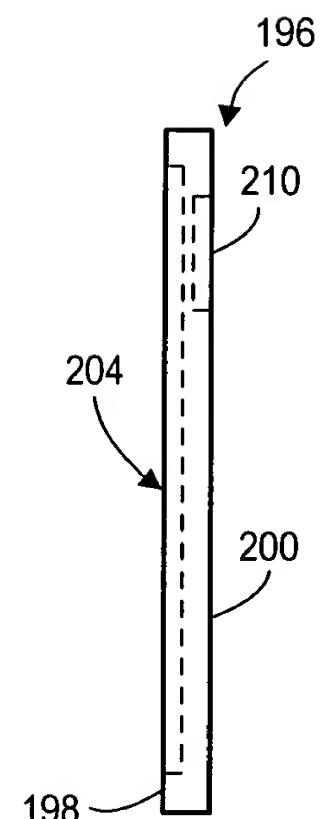


Fig. 20

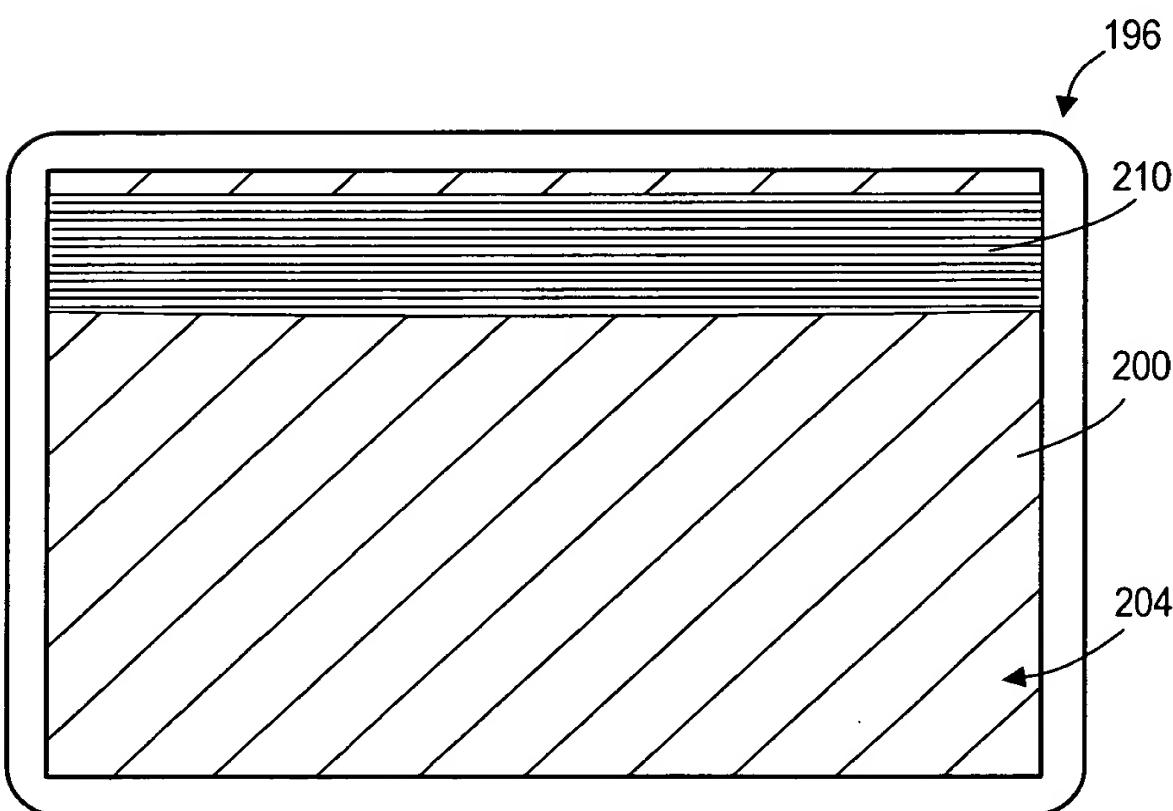


Fig. 21

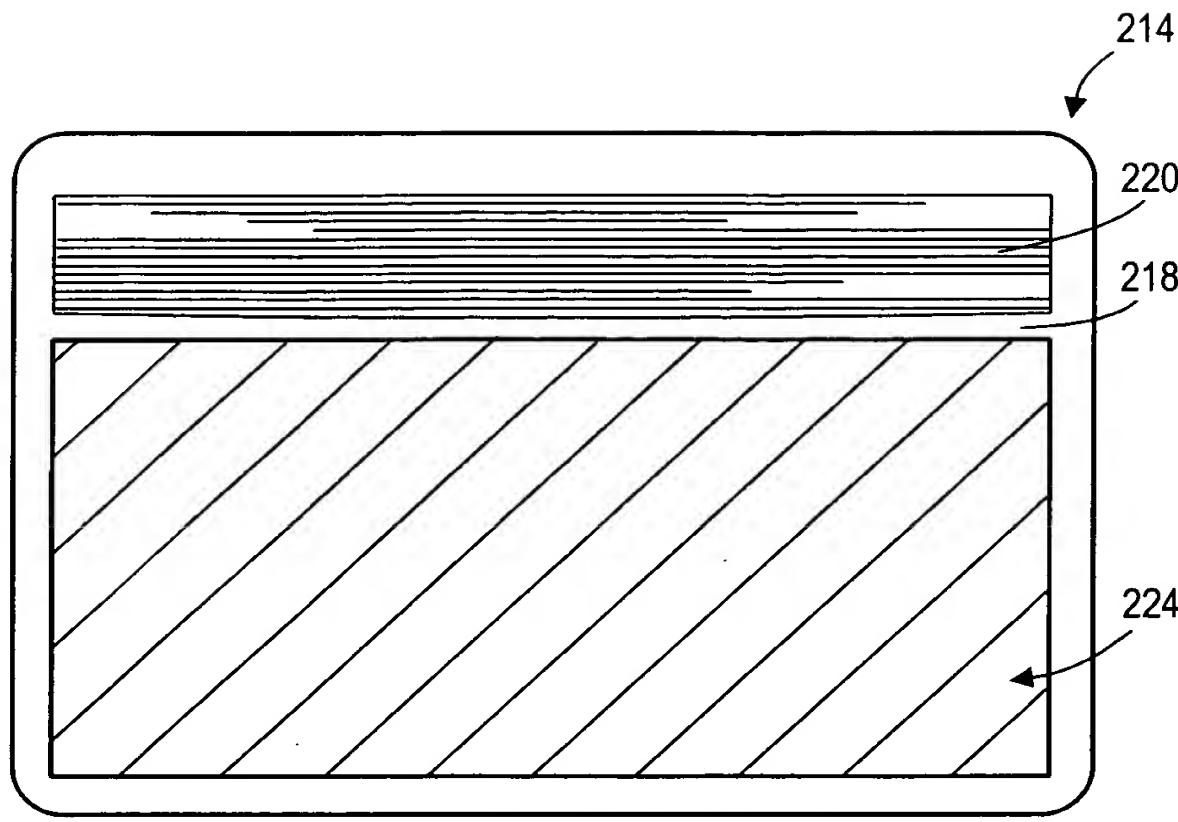


Fig. 22

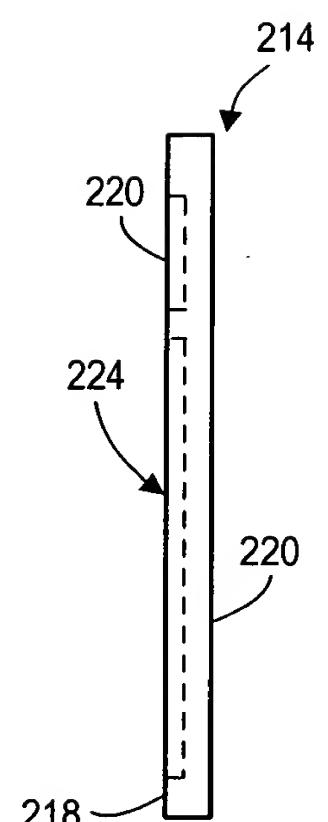


Fig. 23

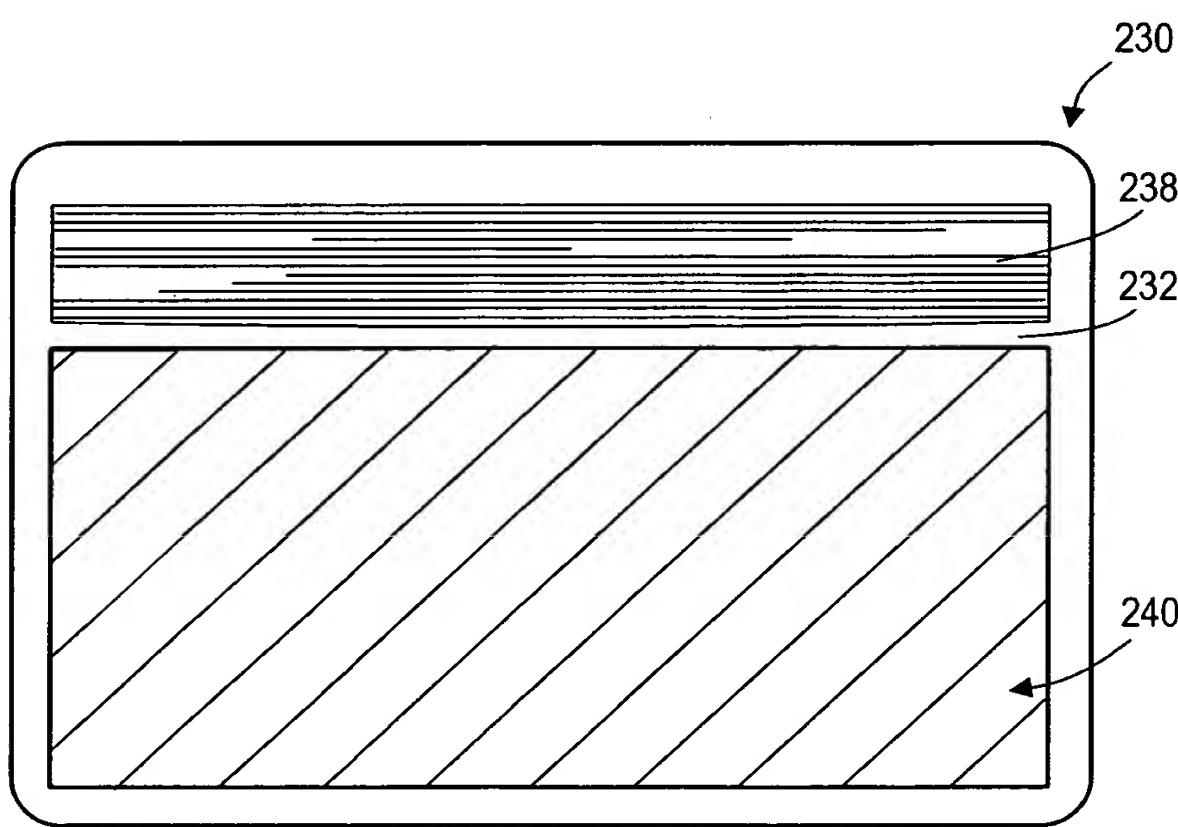


Fig. 24

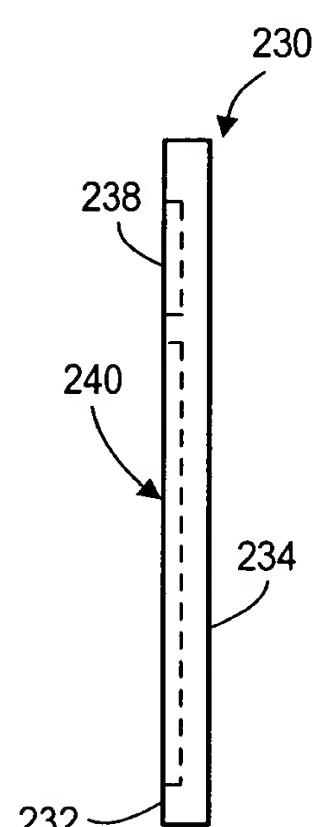


Fig. 25

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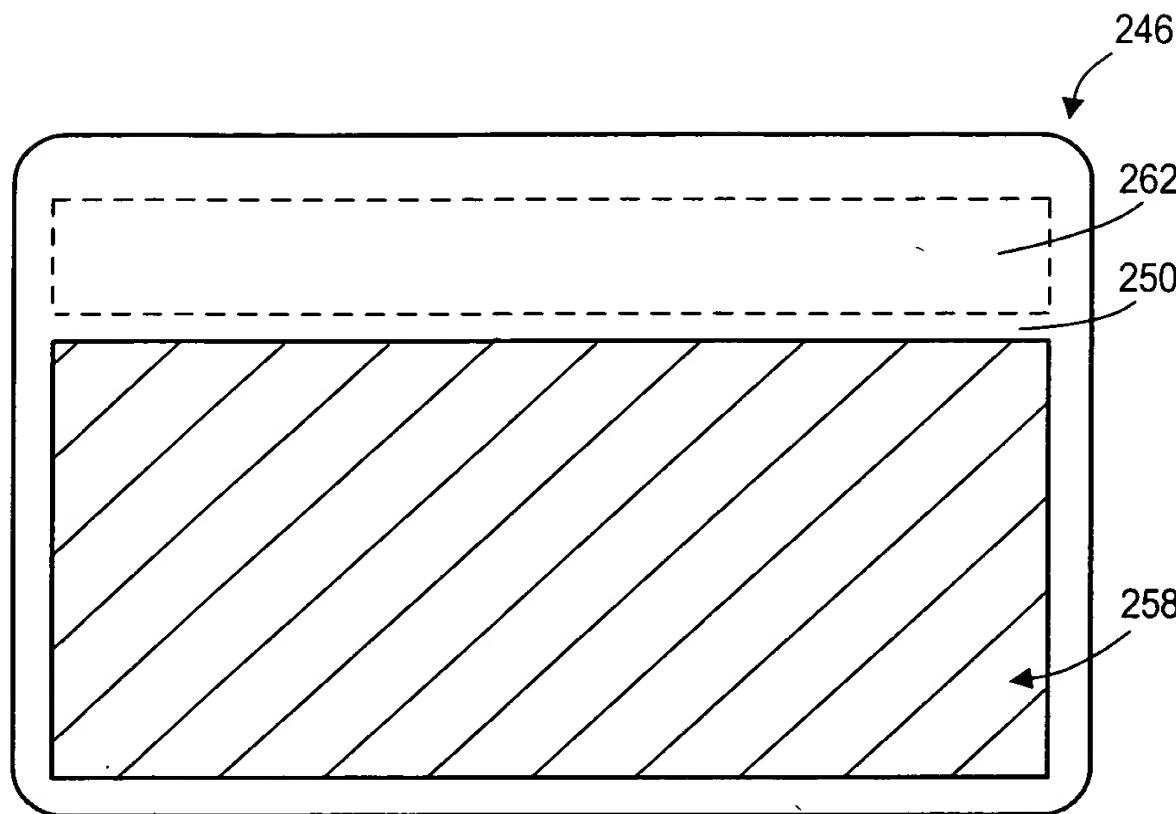


Fig. 26

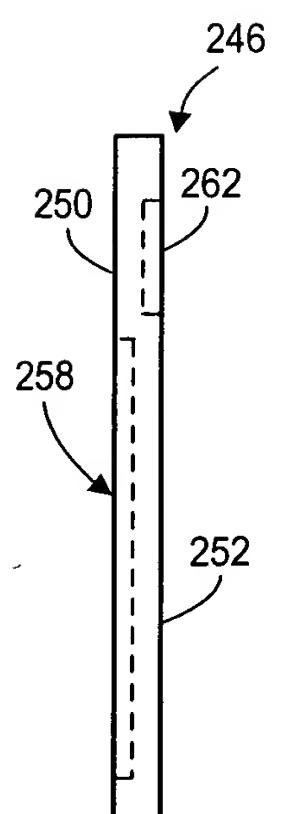


Fig. 27

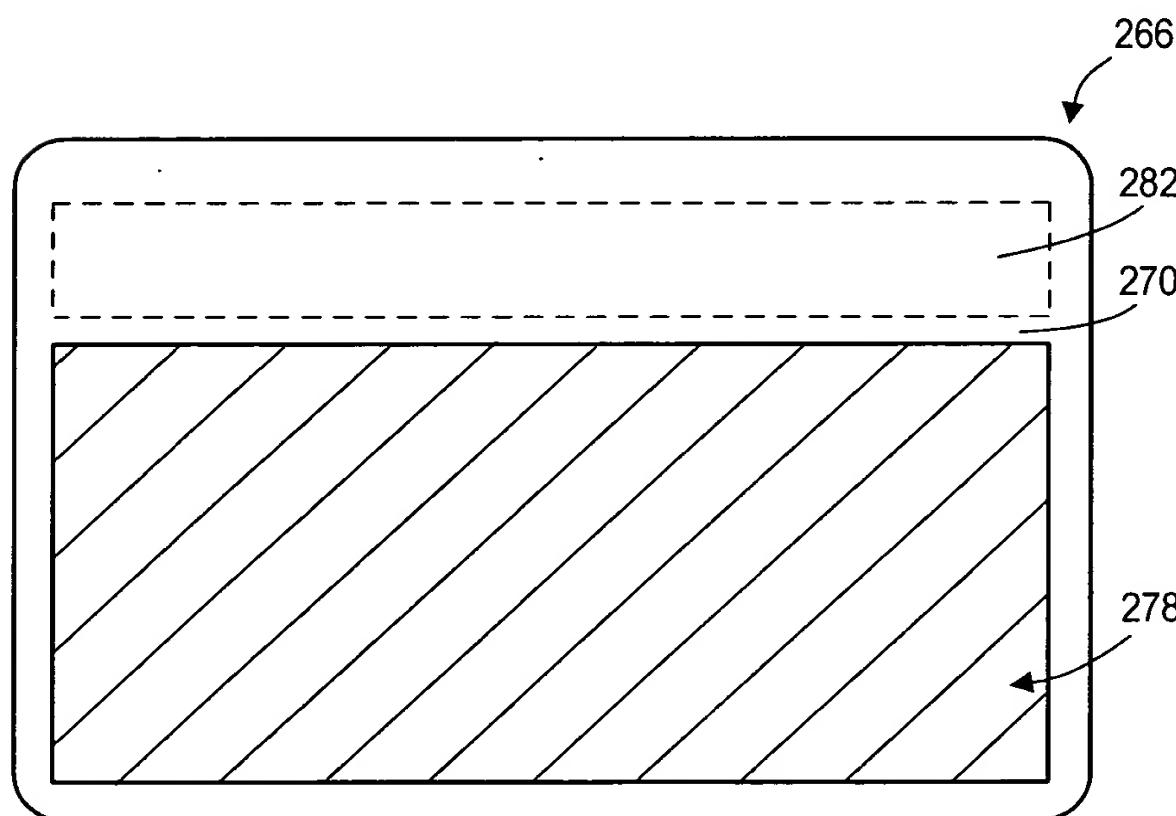


Fig. 28

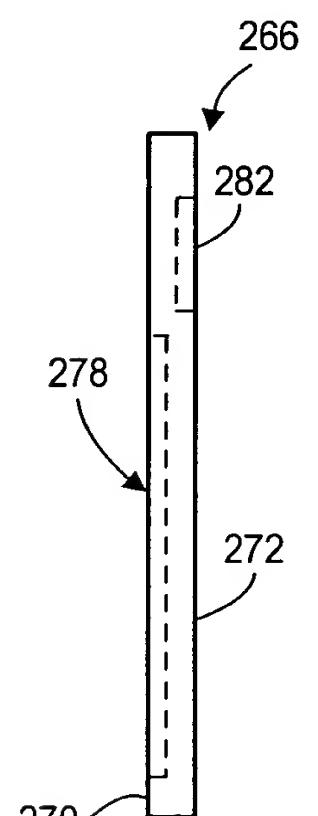


Fig. 29

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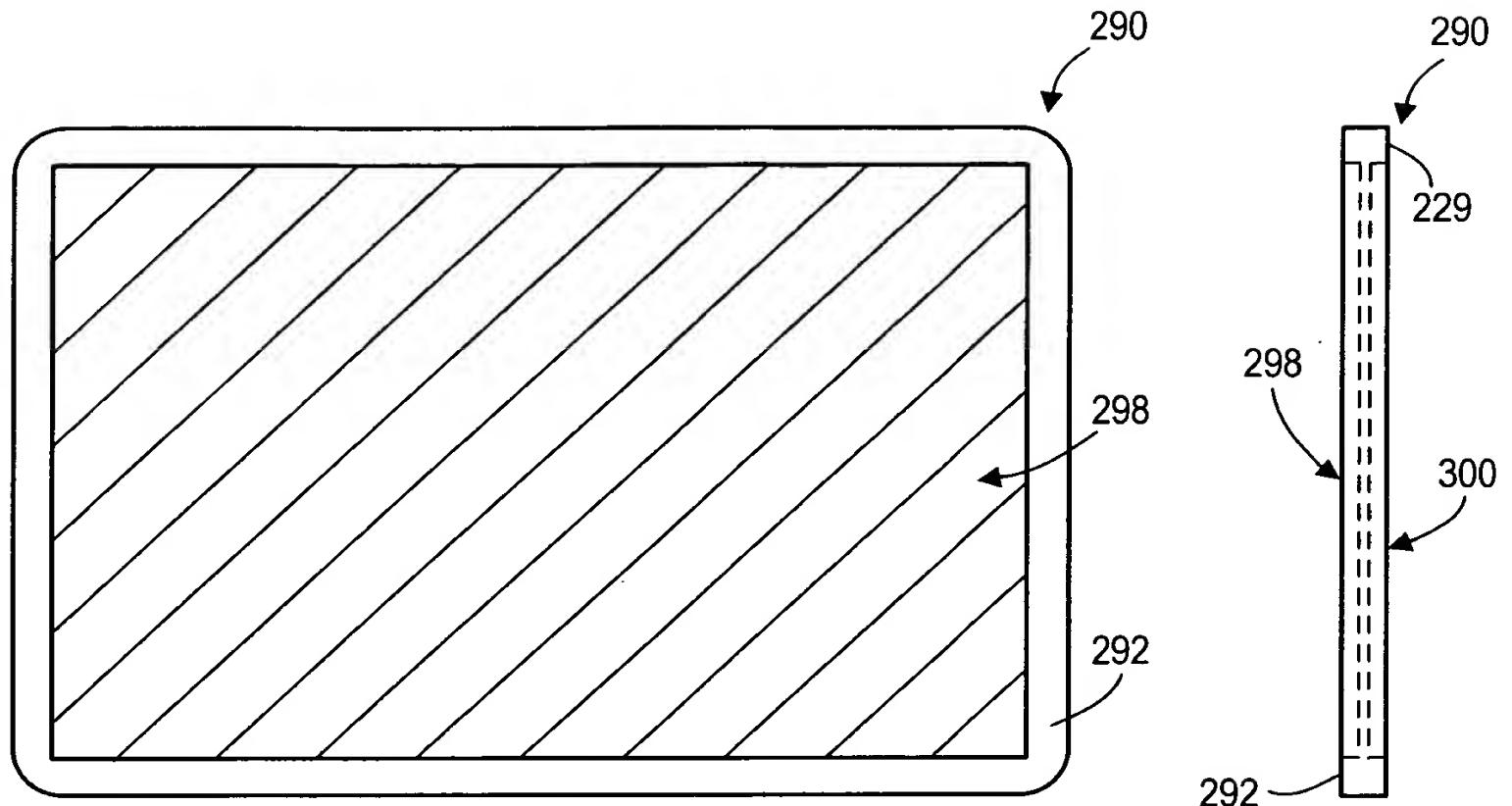


Fig. 30

Fig. 31

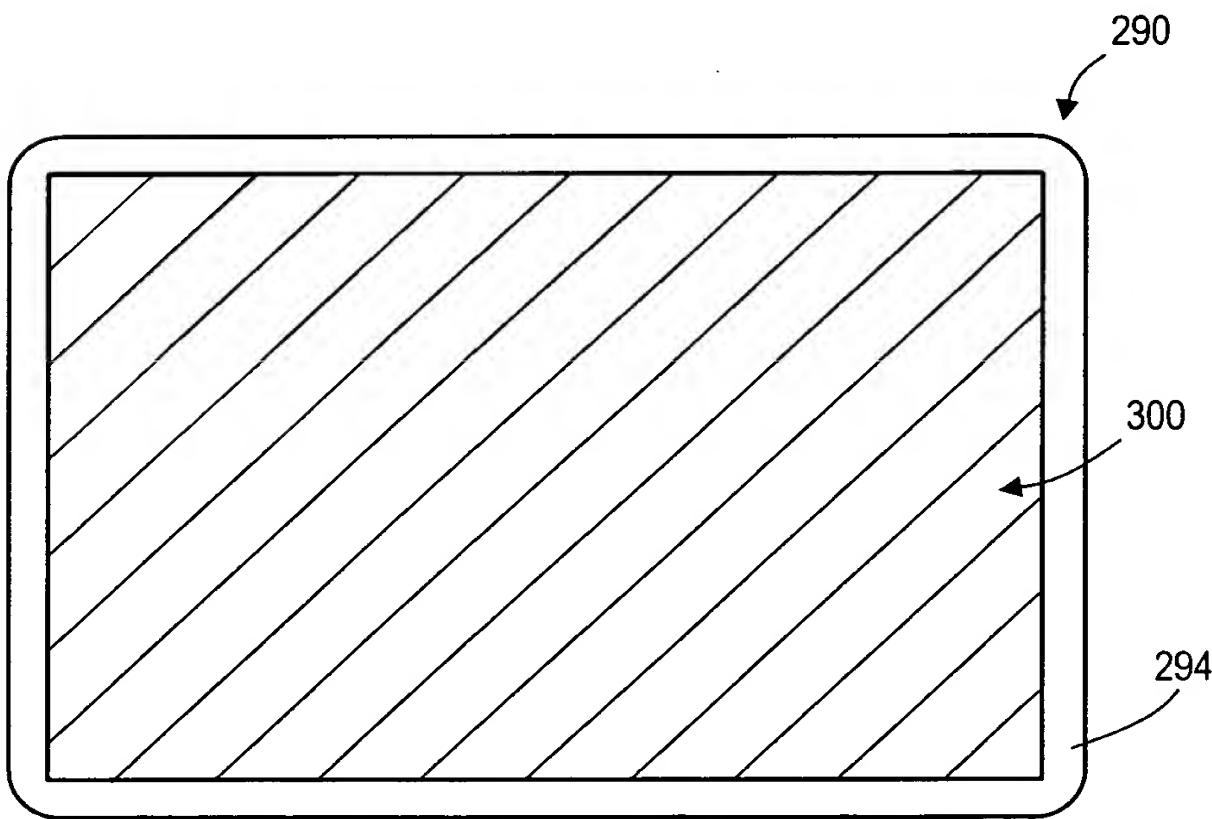


Fig. 32

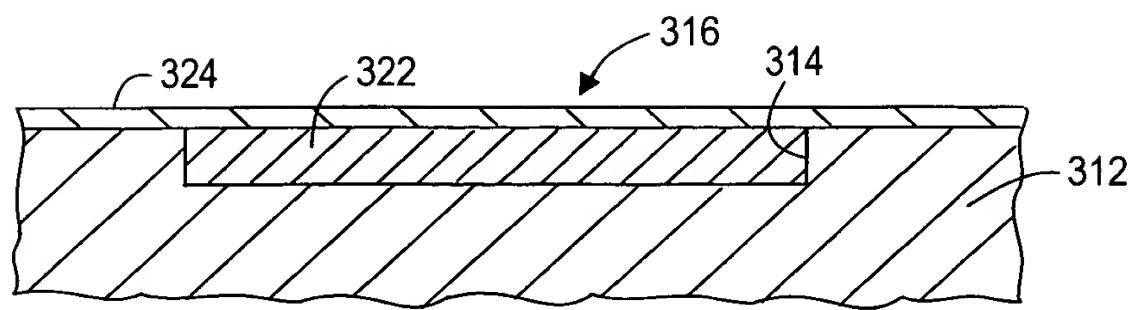


Fig. 33

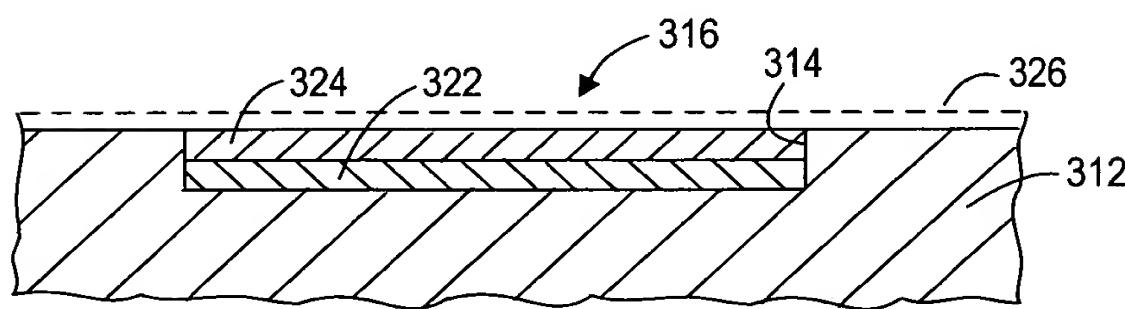


Fig. 34

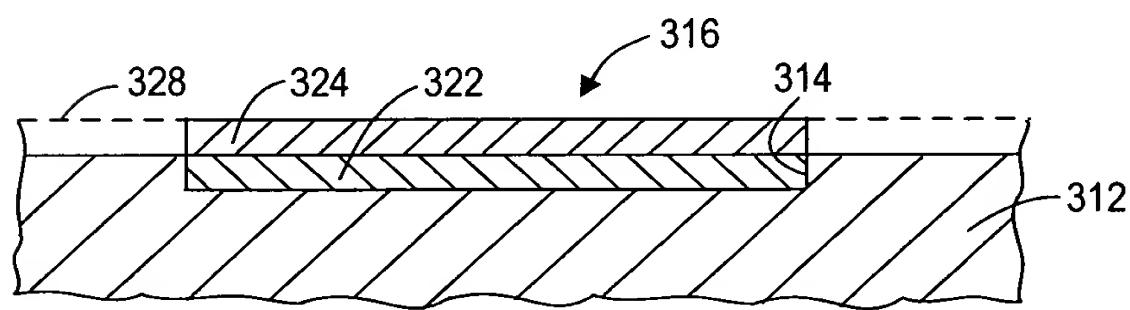


Fig. 35

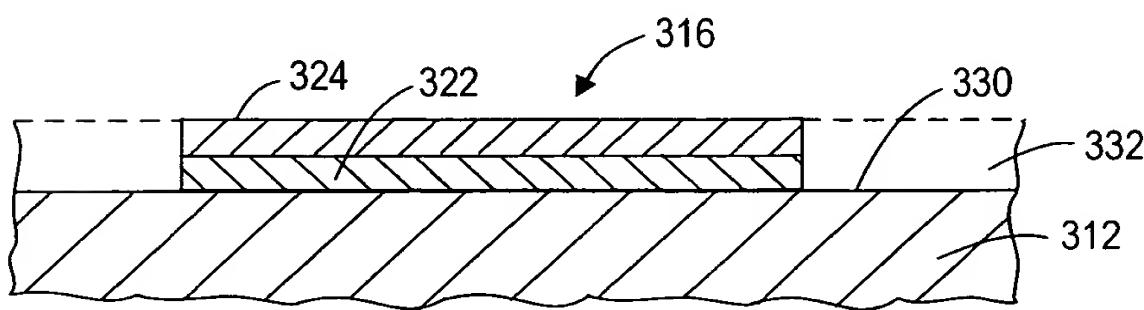


Fig. 36

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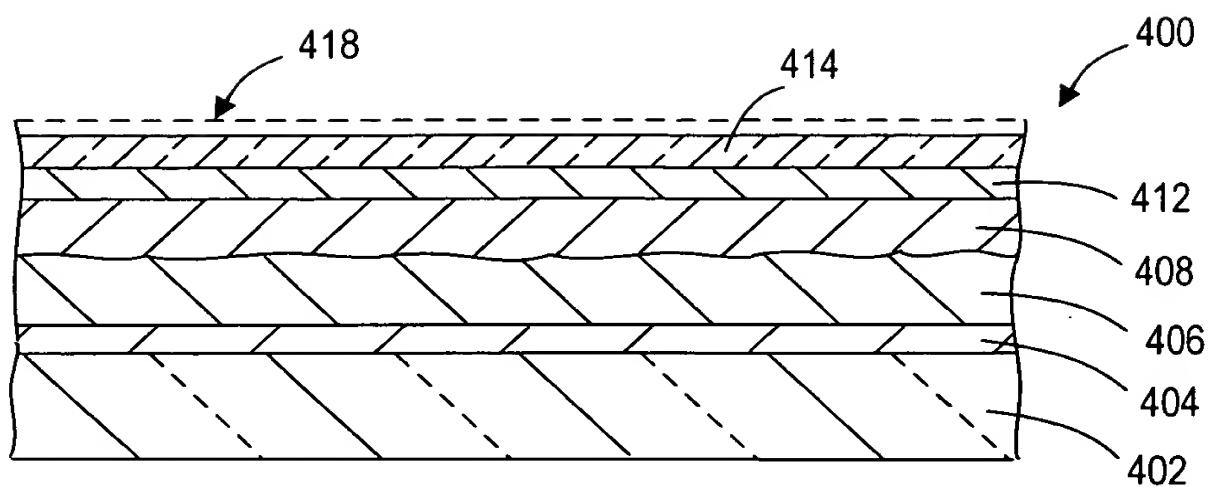


Fig. 37

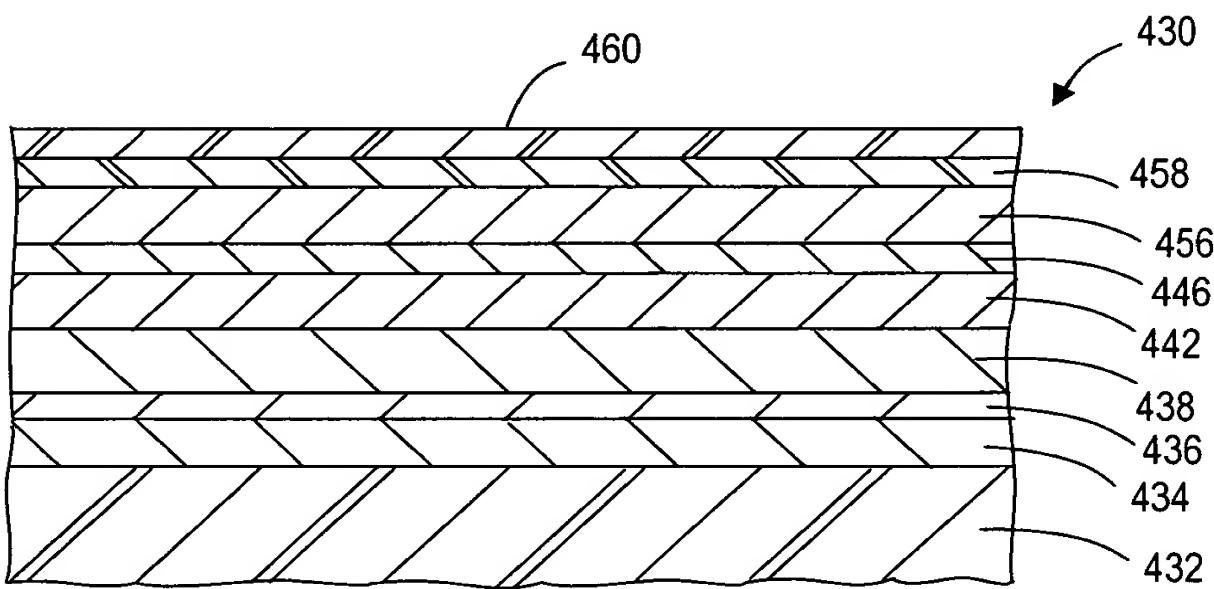


Fig. 38

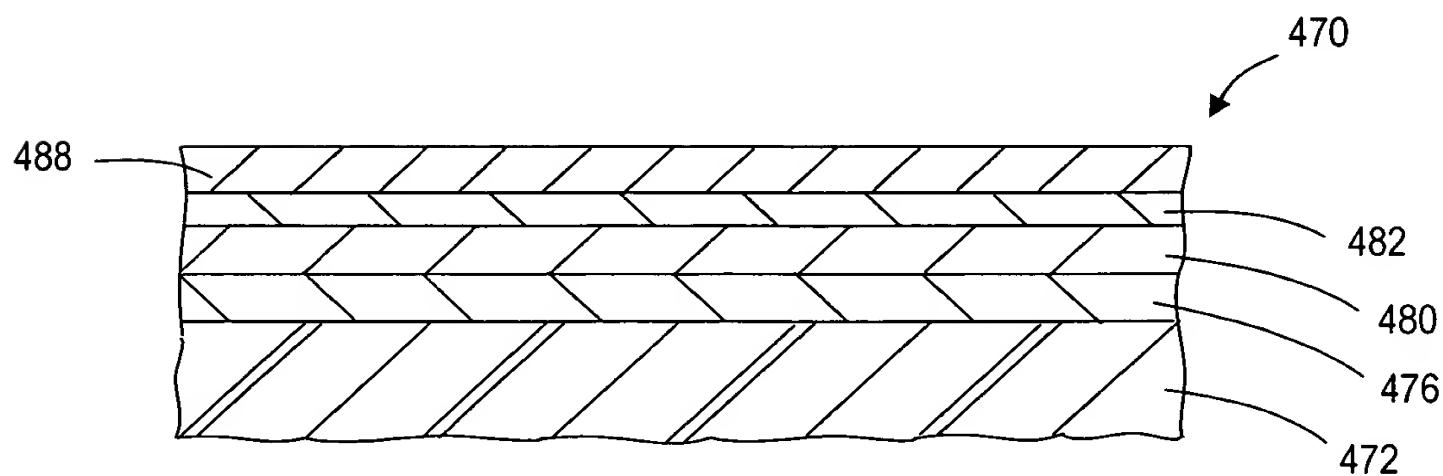


Fig. 39

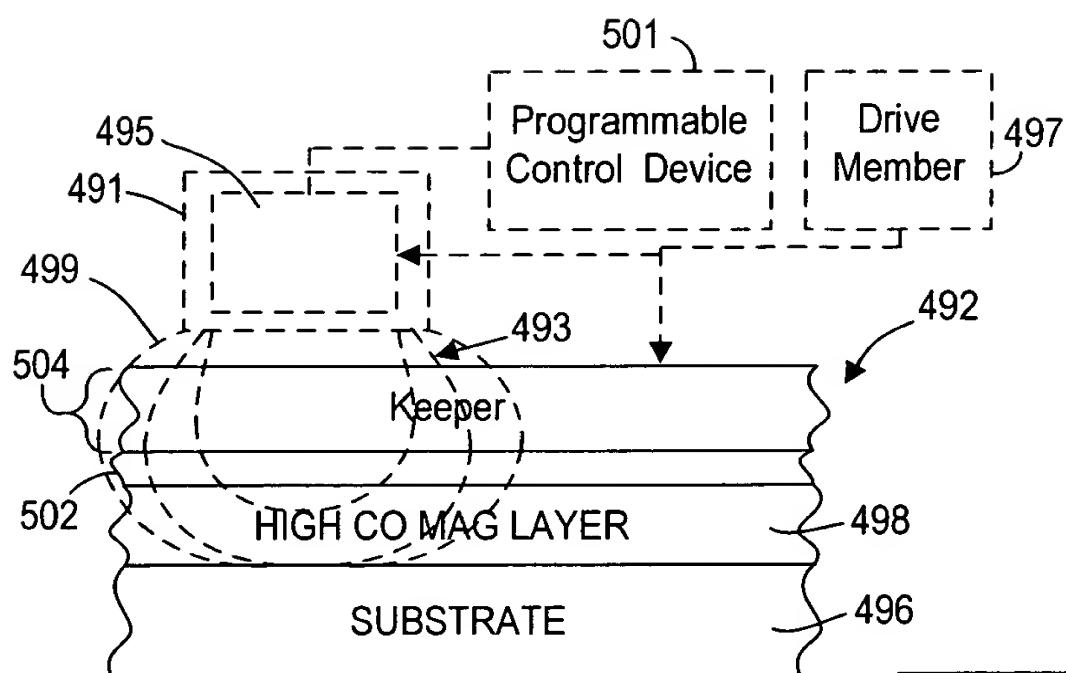


Fig. 40(A)

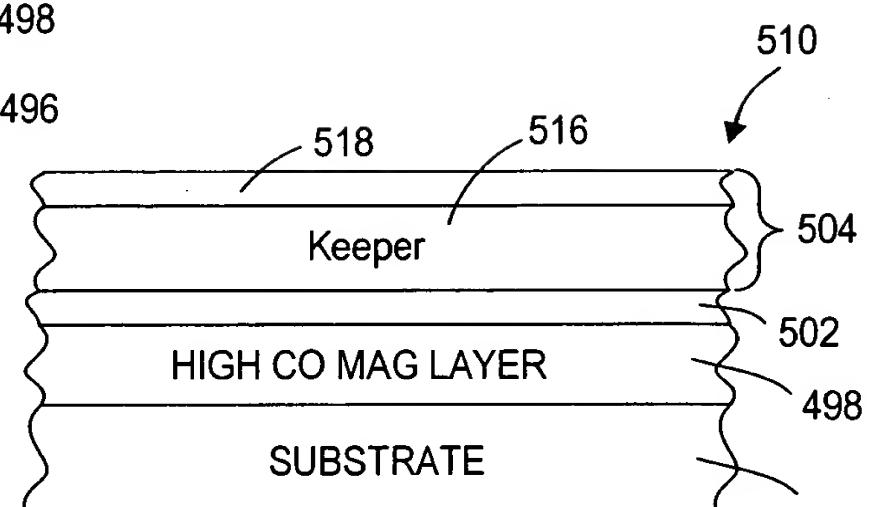


Fig. 40(B)

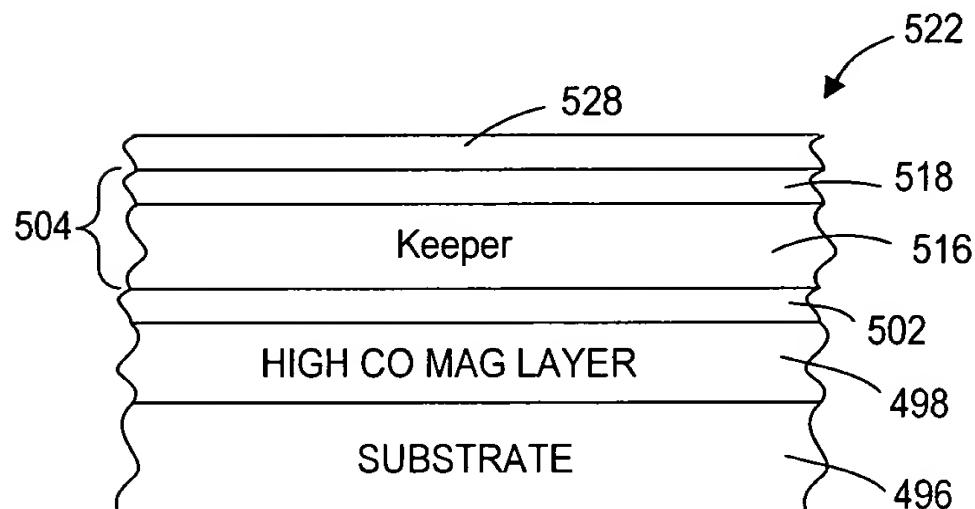


Fig. 40(C)

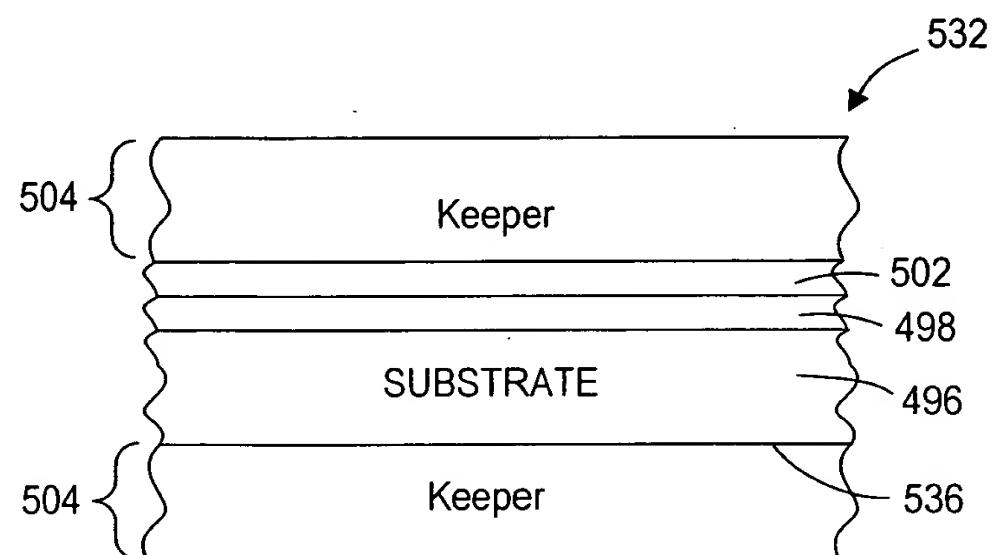


Fig. 40(D)

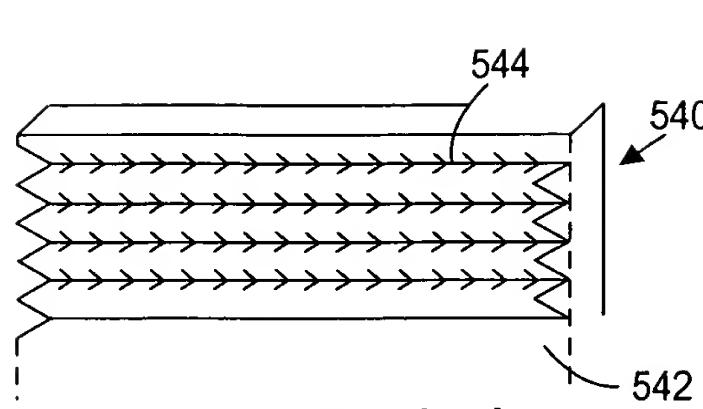


Fig. 41(A)

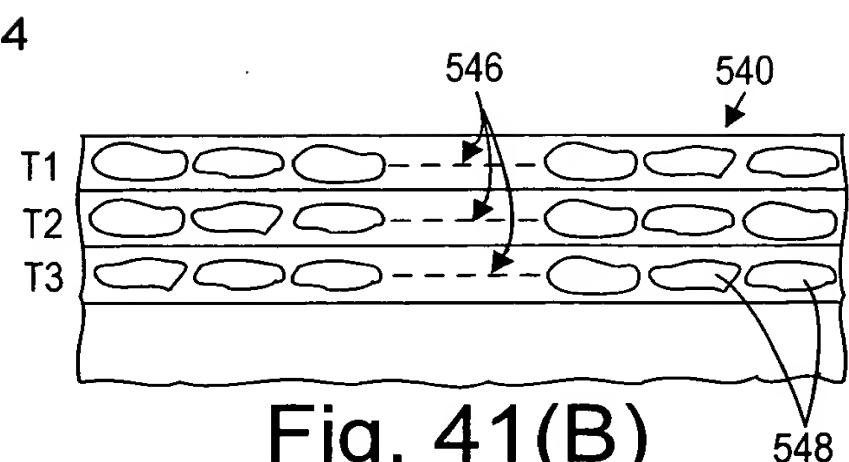


Fig. 41(B)

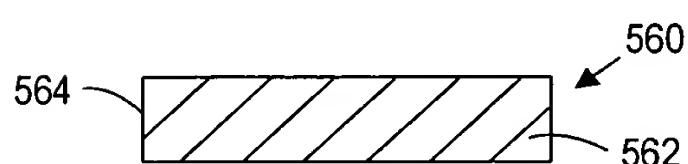


Fig. 42(A)

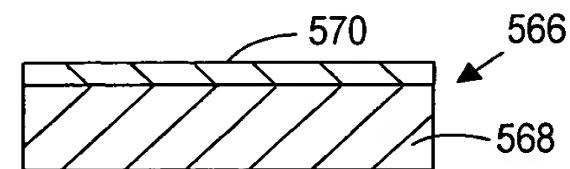


Fig. 42(B)



Fig. 43(A)

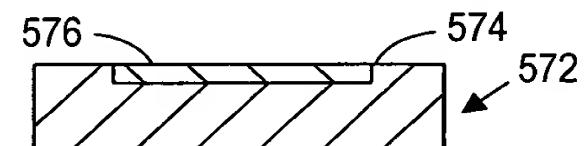


Fig. 43(B)

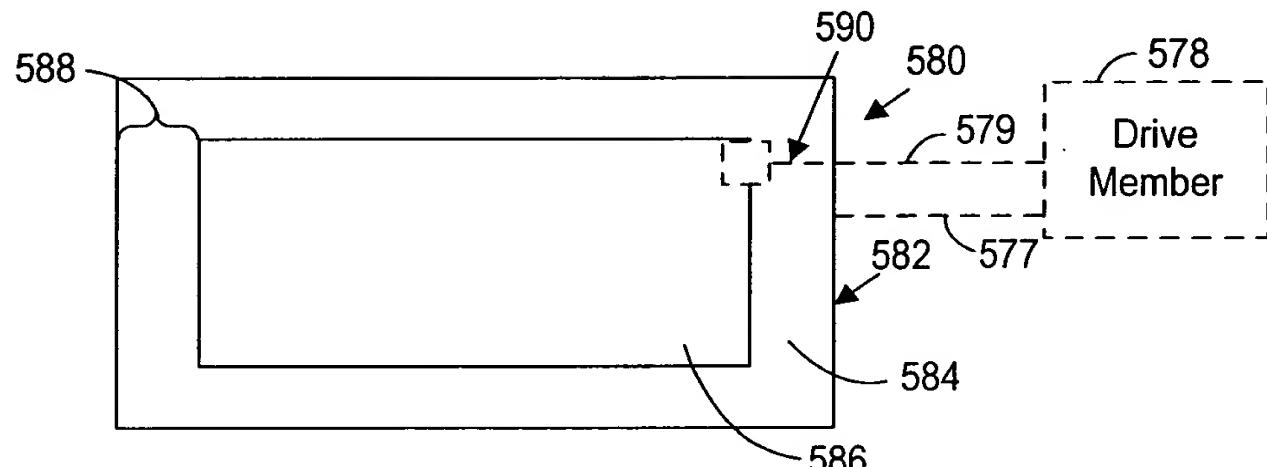


Fig. 44

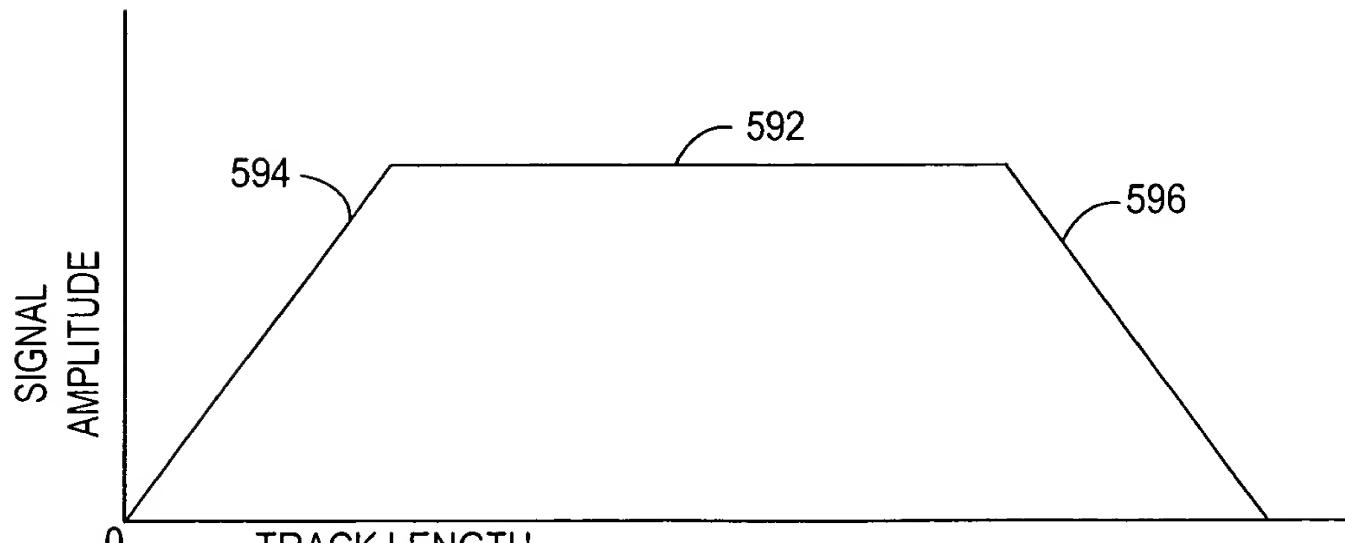


Fig. 45

Simplified Card Reader Schematic

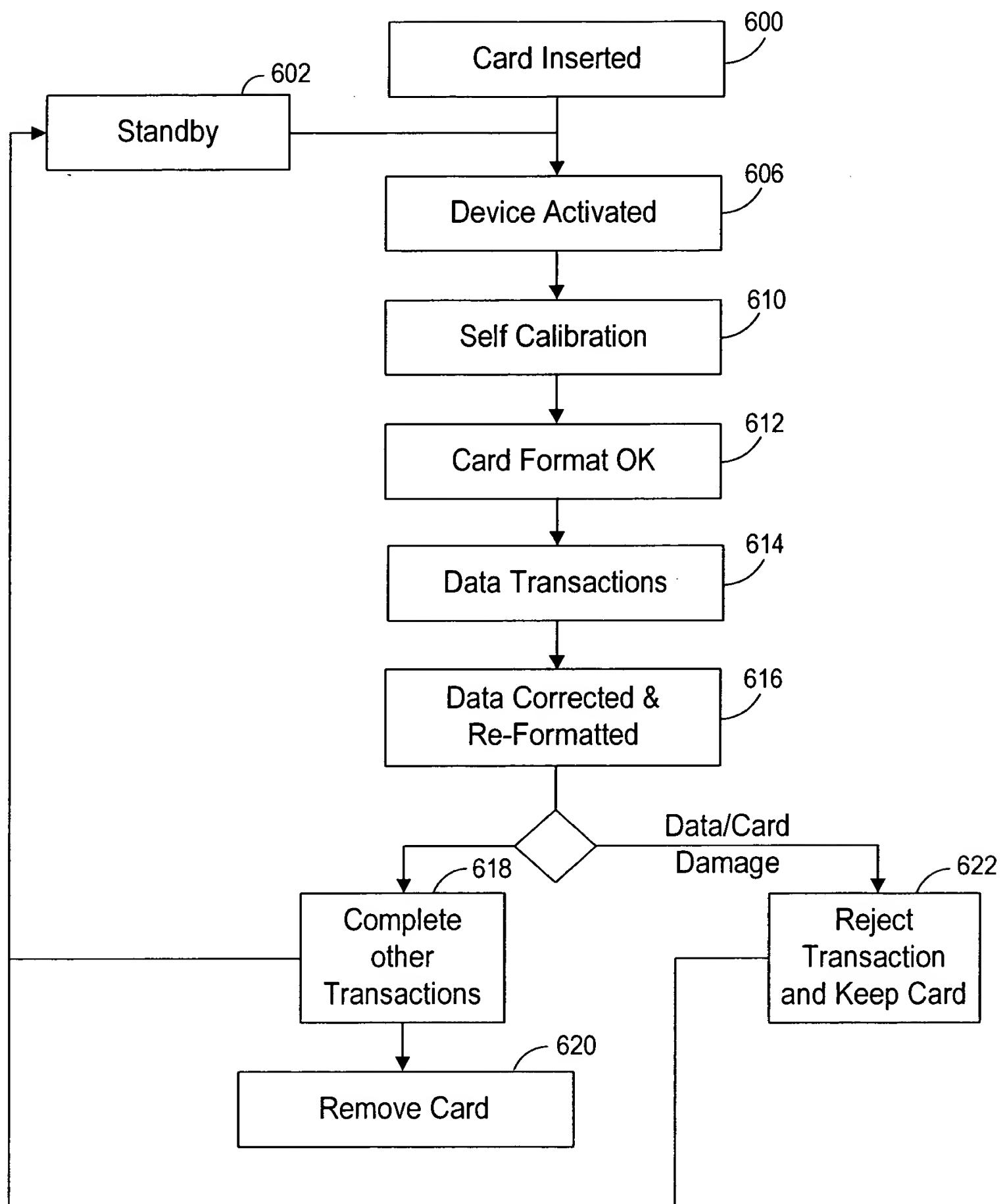


Fig. 46

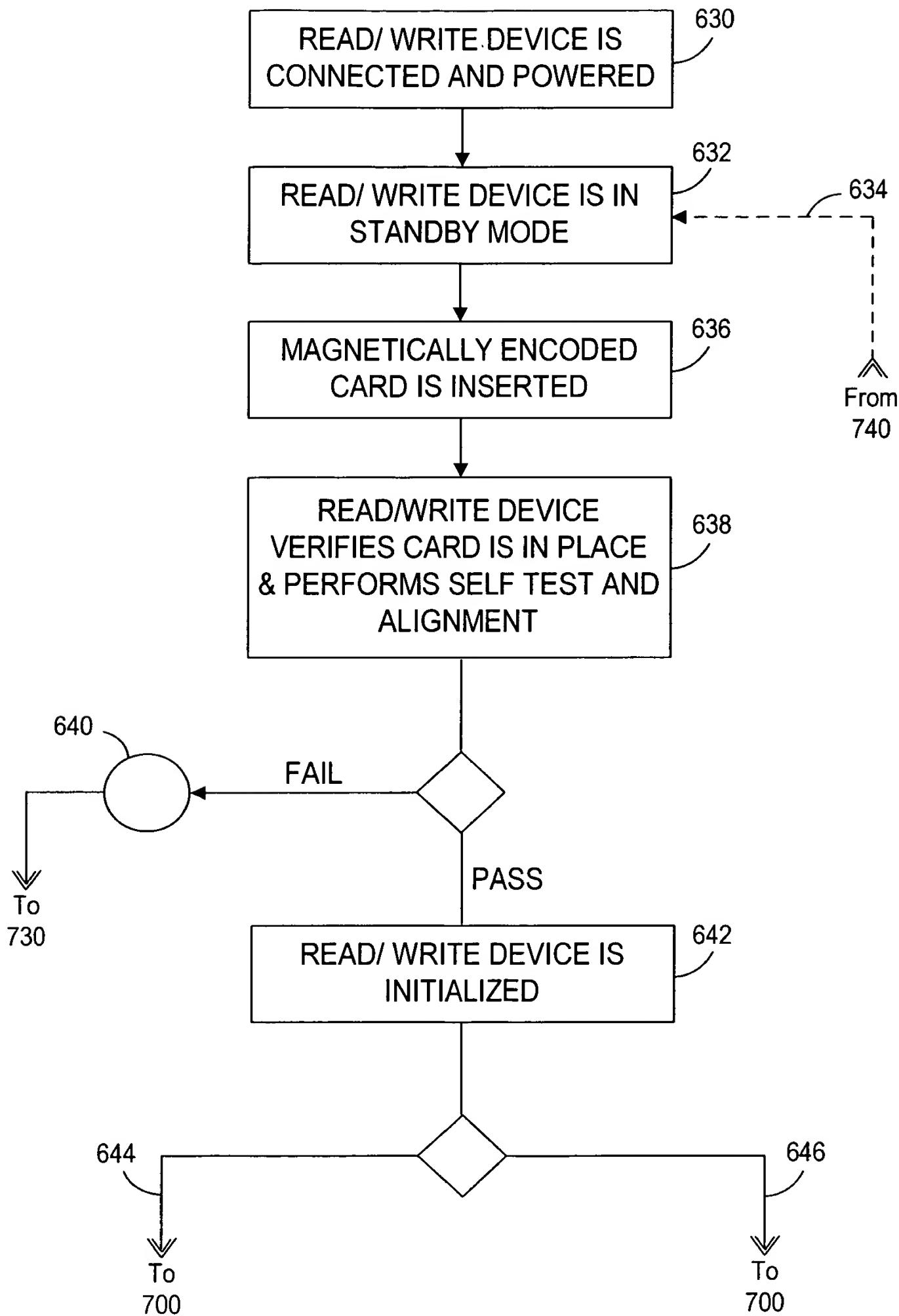


Fig. 47

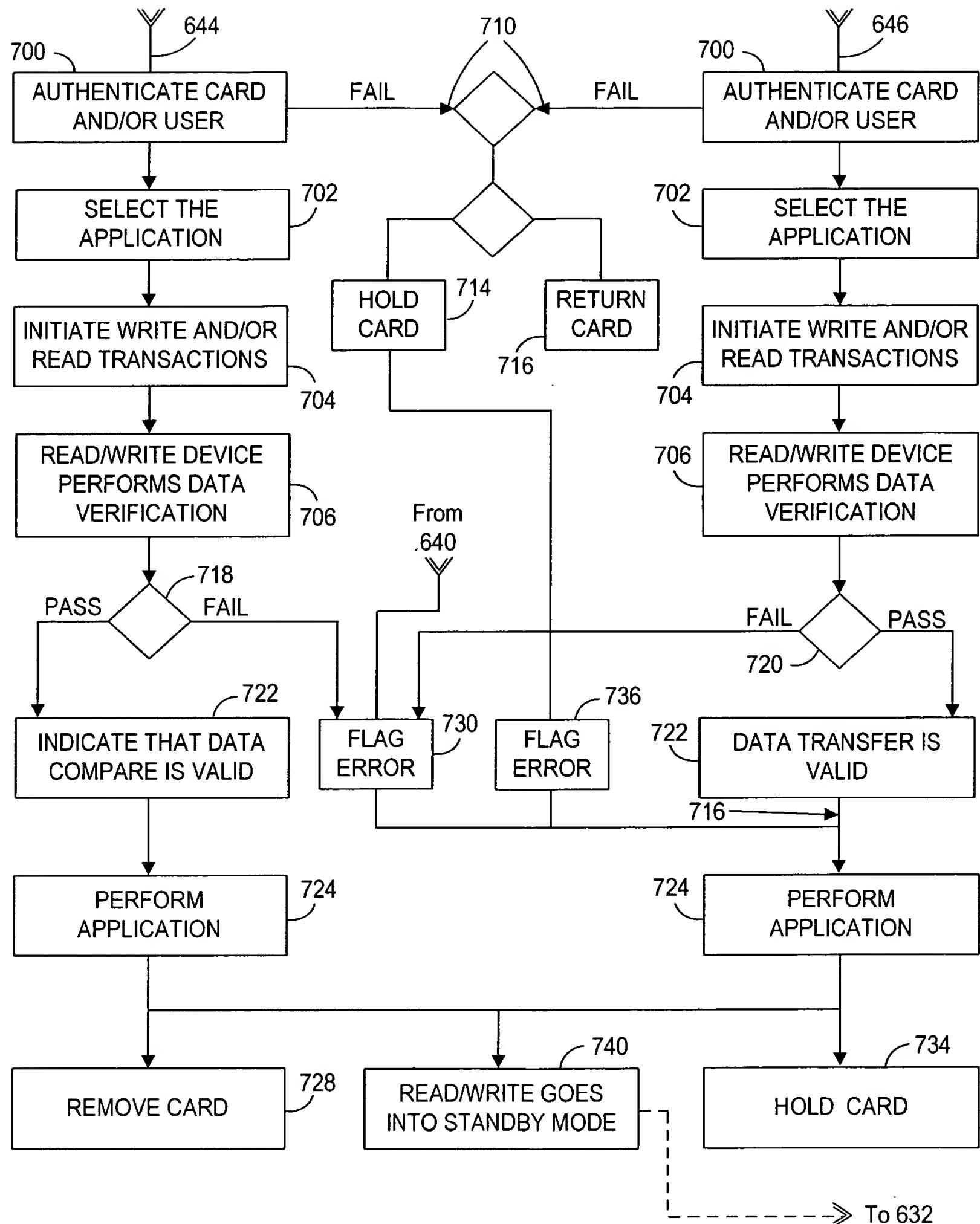


Fig. 48

Simplified Card Cleaner Schematic

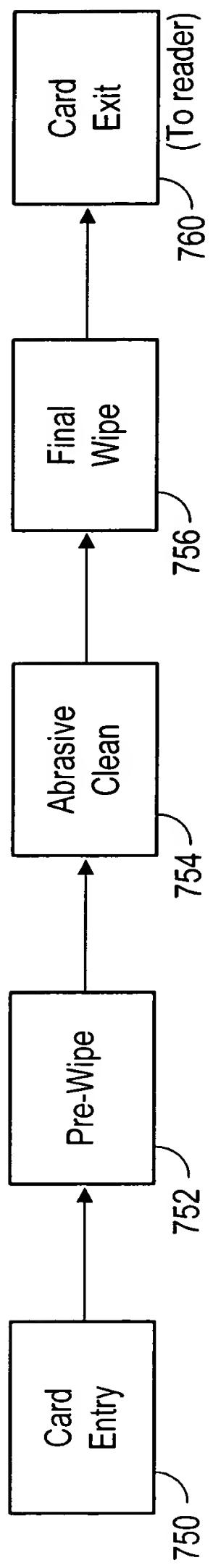


Fig. 49

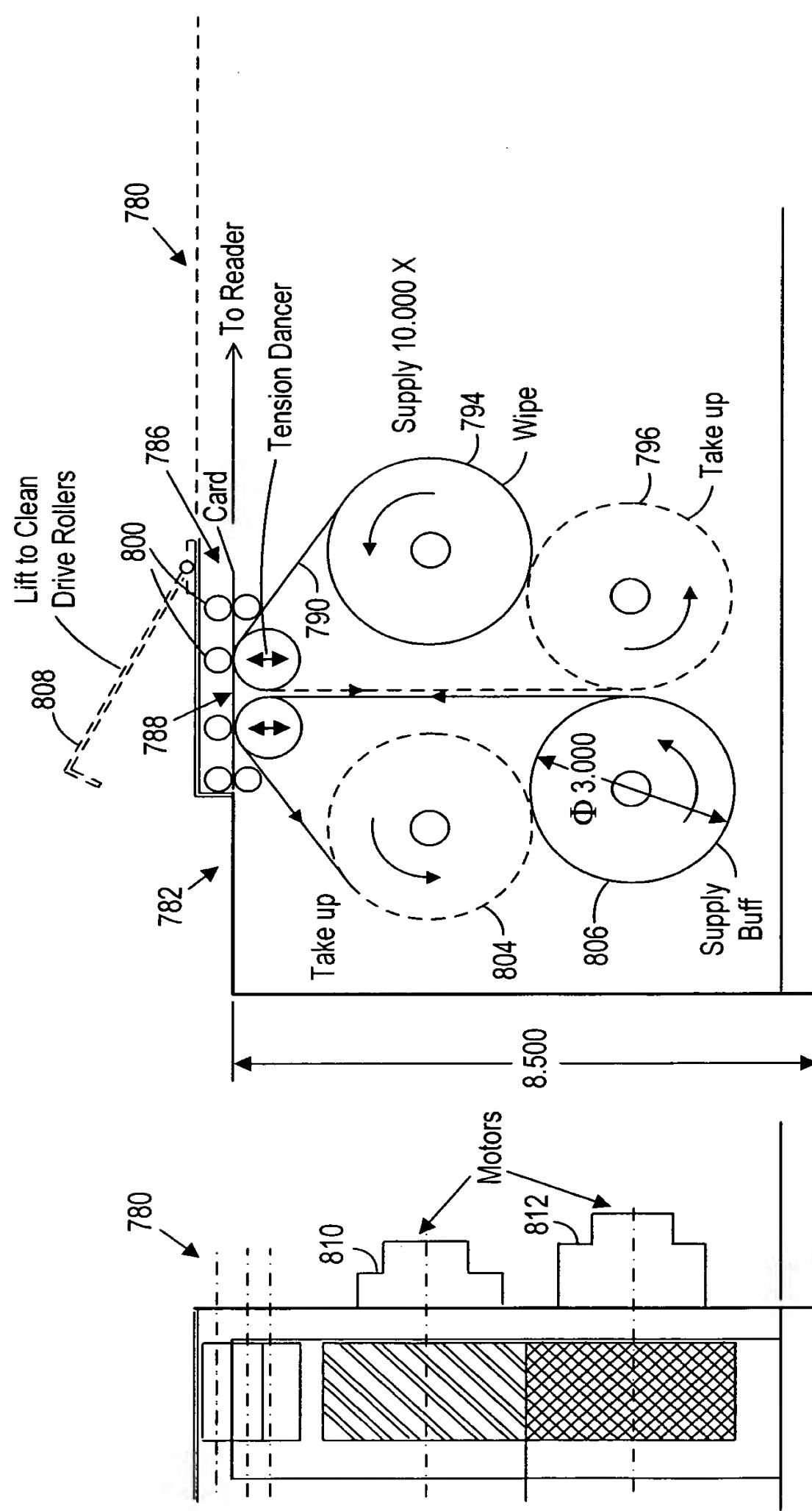


Fig. 50

Fig. 51

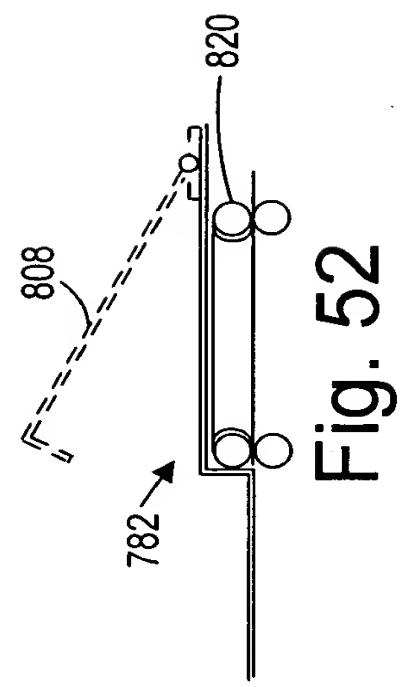


Fig. 52

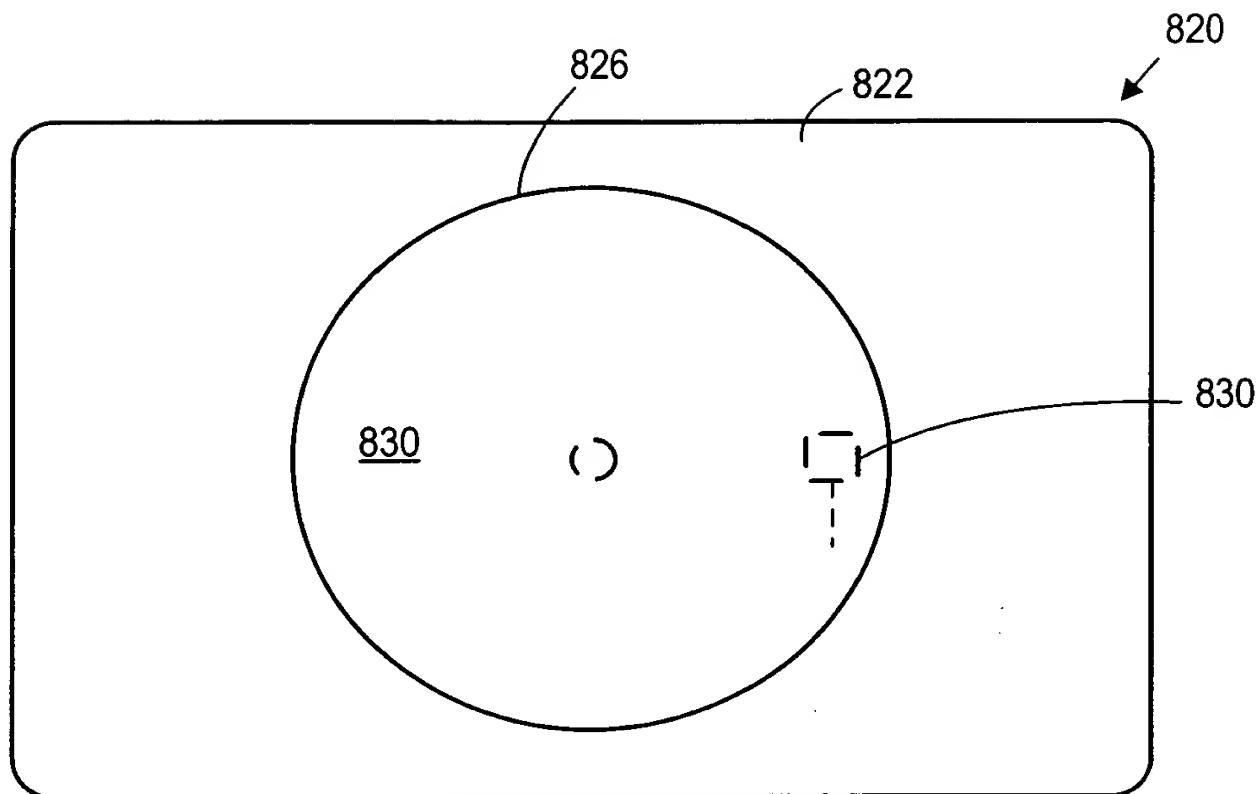


Fig. 53

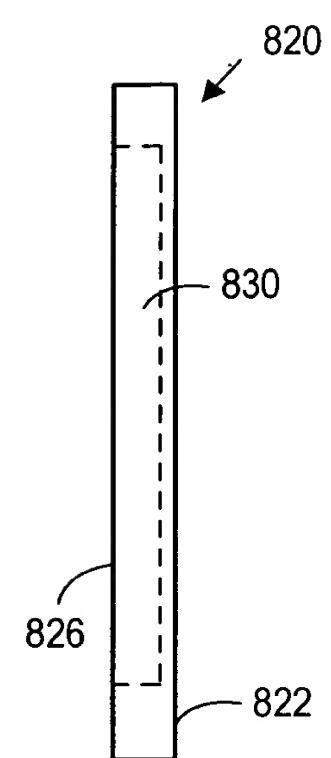


Fig. 54

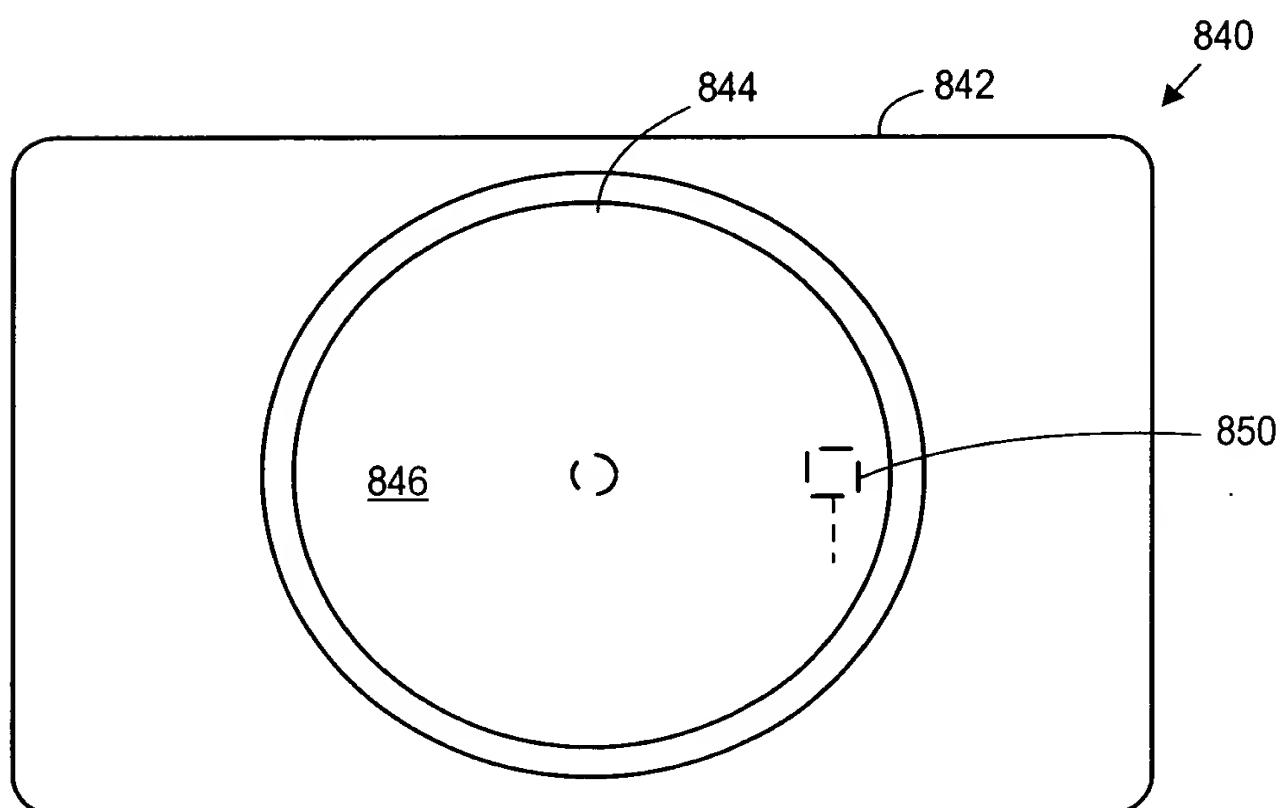


Fig. 55

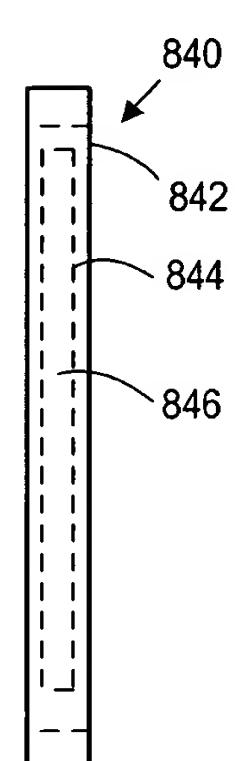


Fig. 56

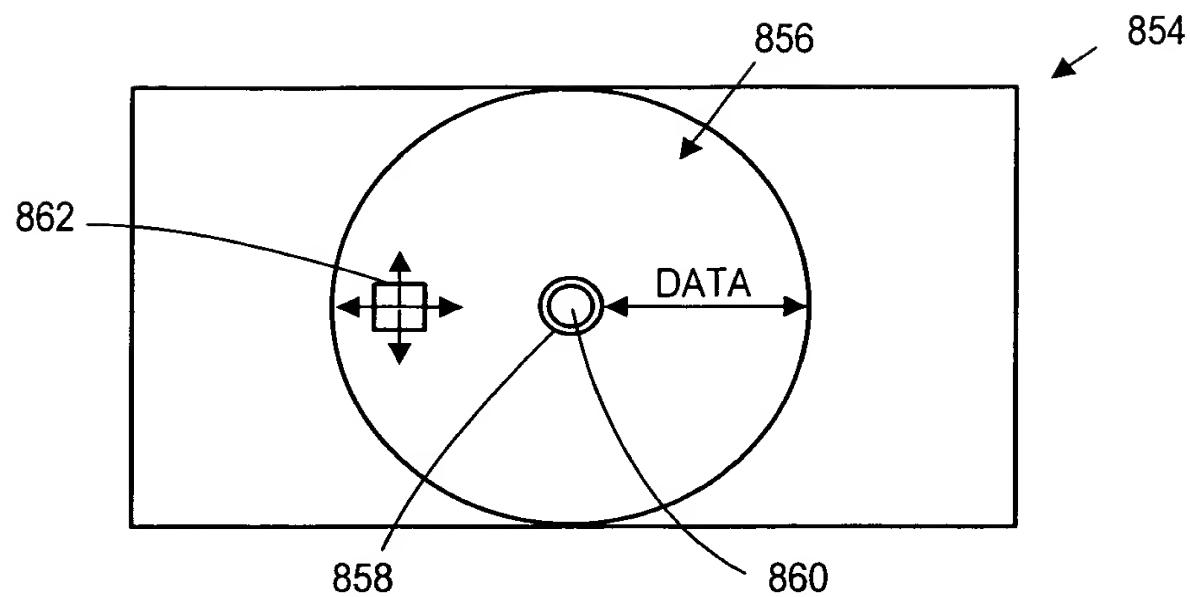


Fig. 57

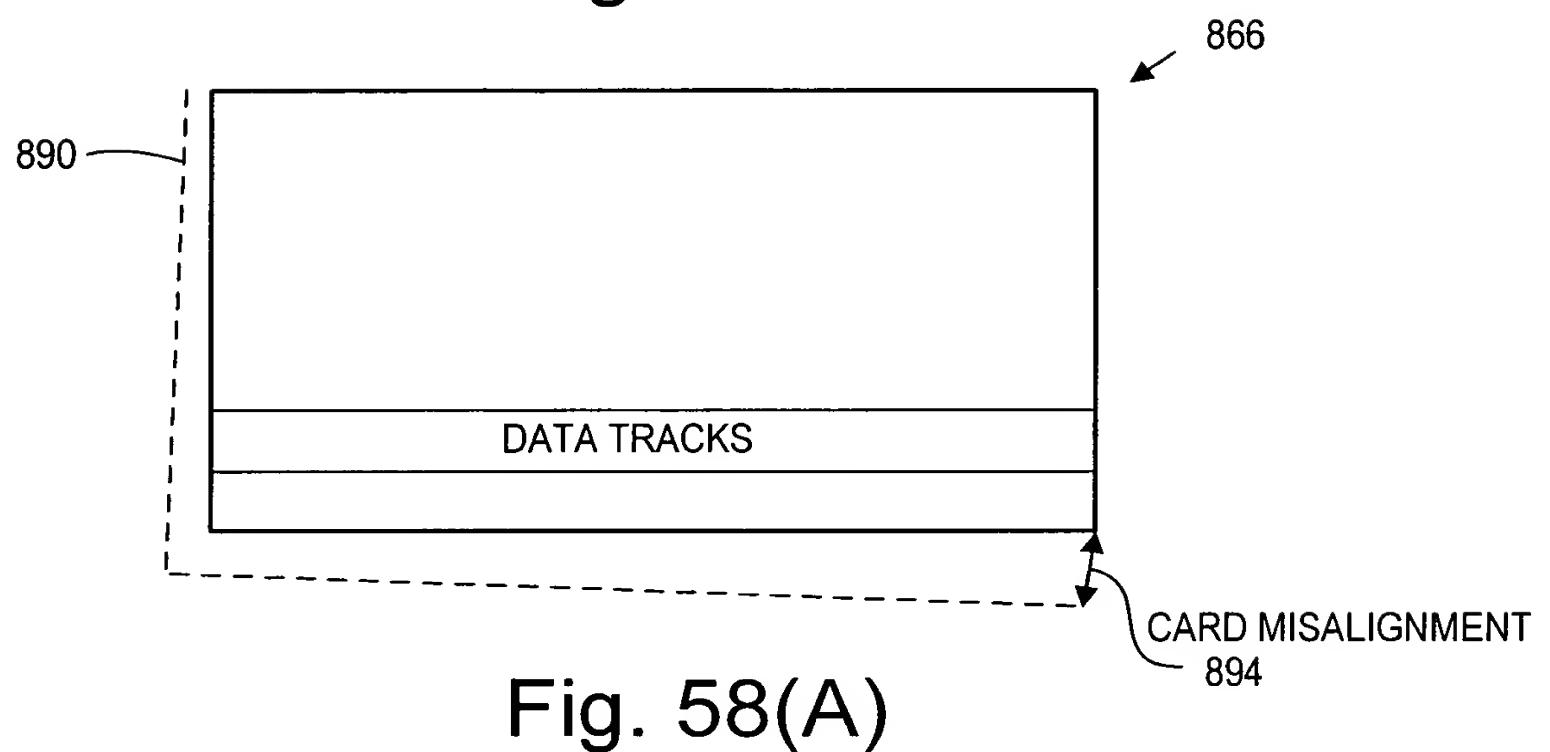


Fig. 58(A)

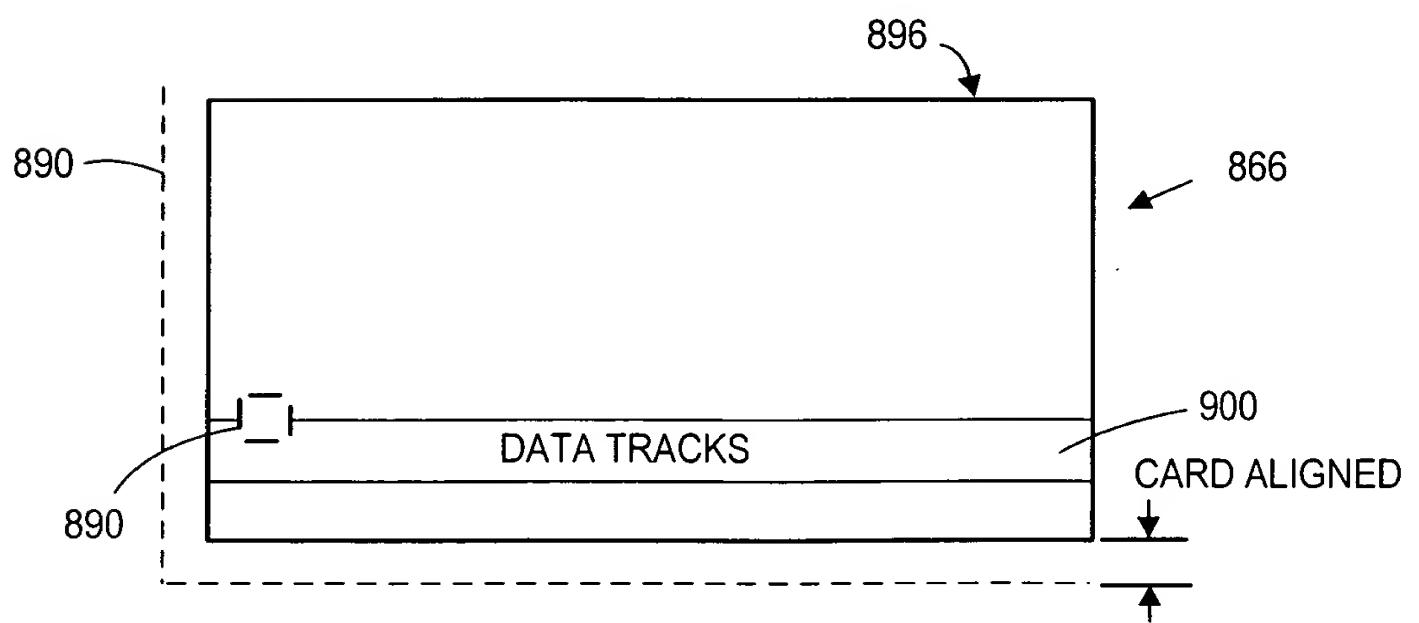


Fig. 58(B)

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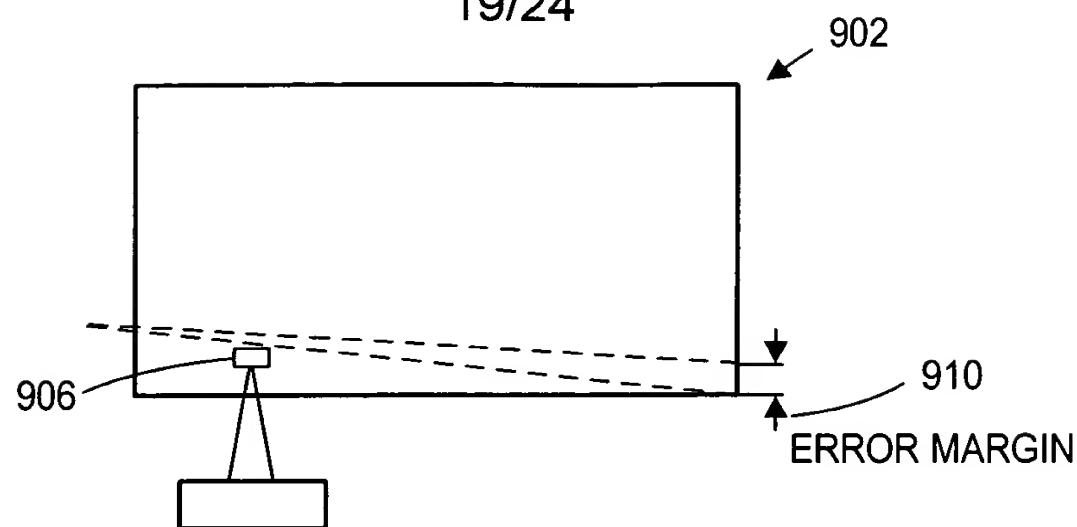


Fig. 59(A)

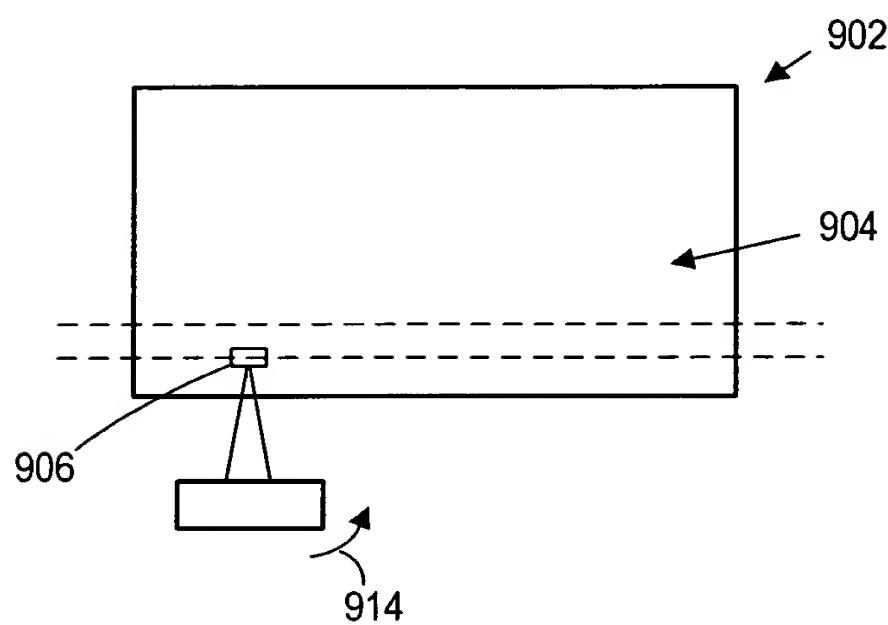


Fig. 59(B)

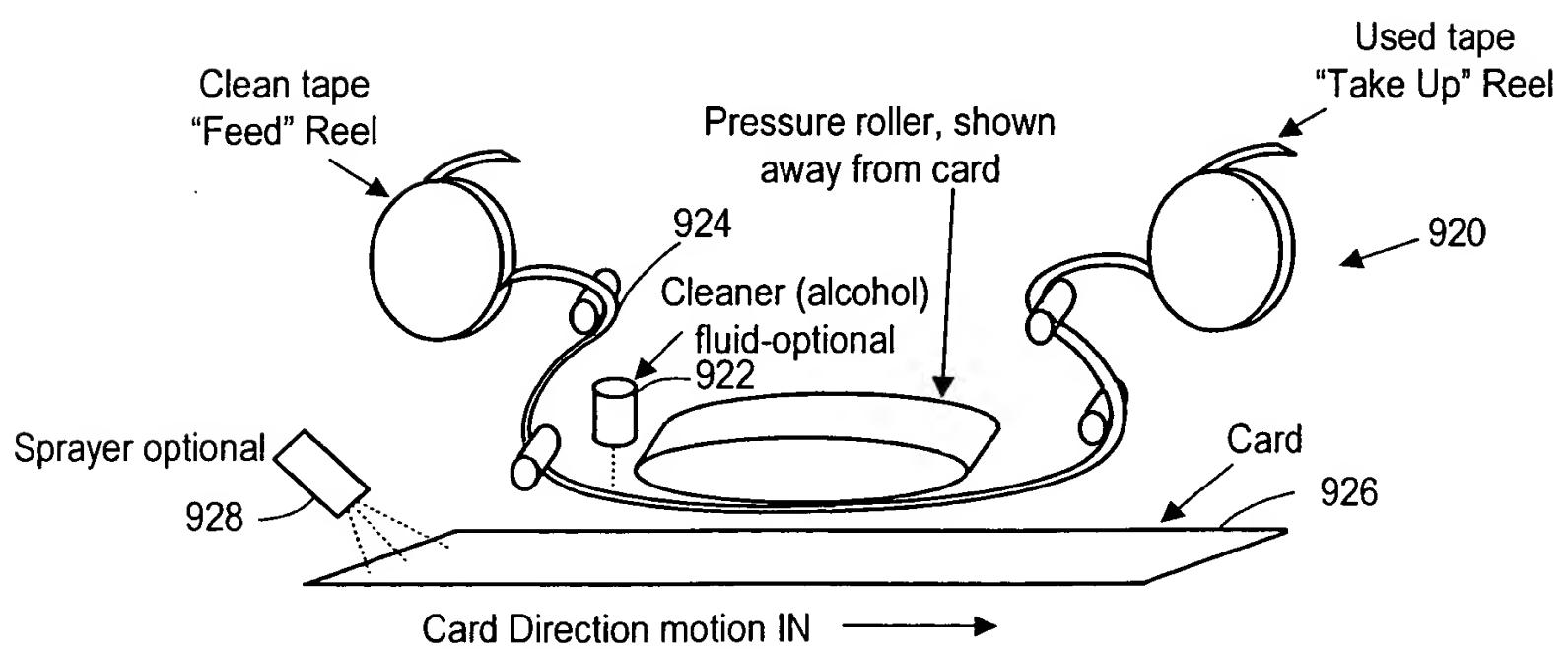


Fig. 60

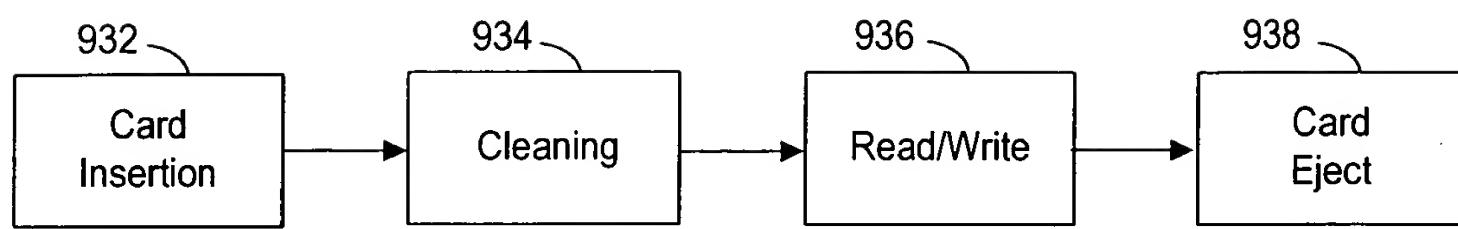


Fig. 61

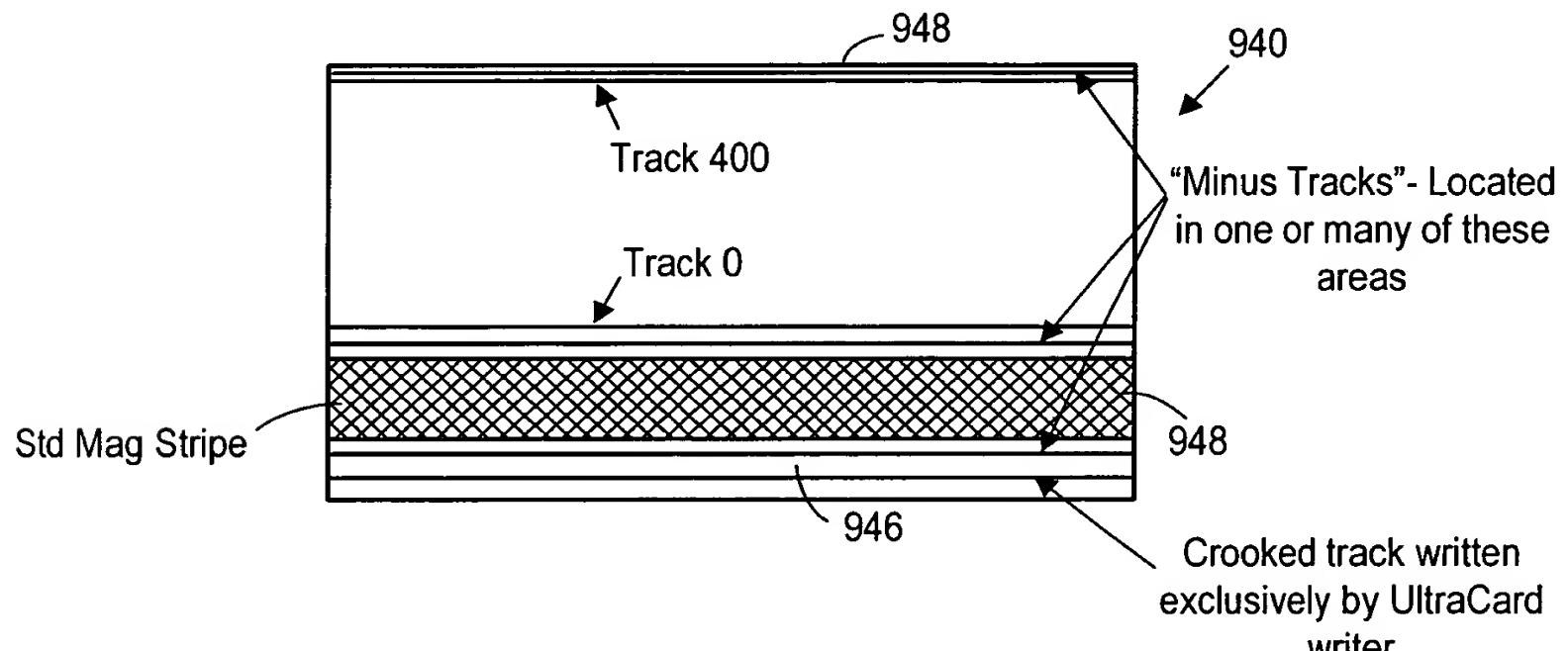


Fig. 62

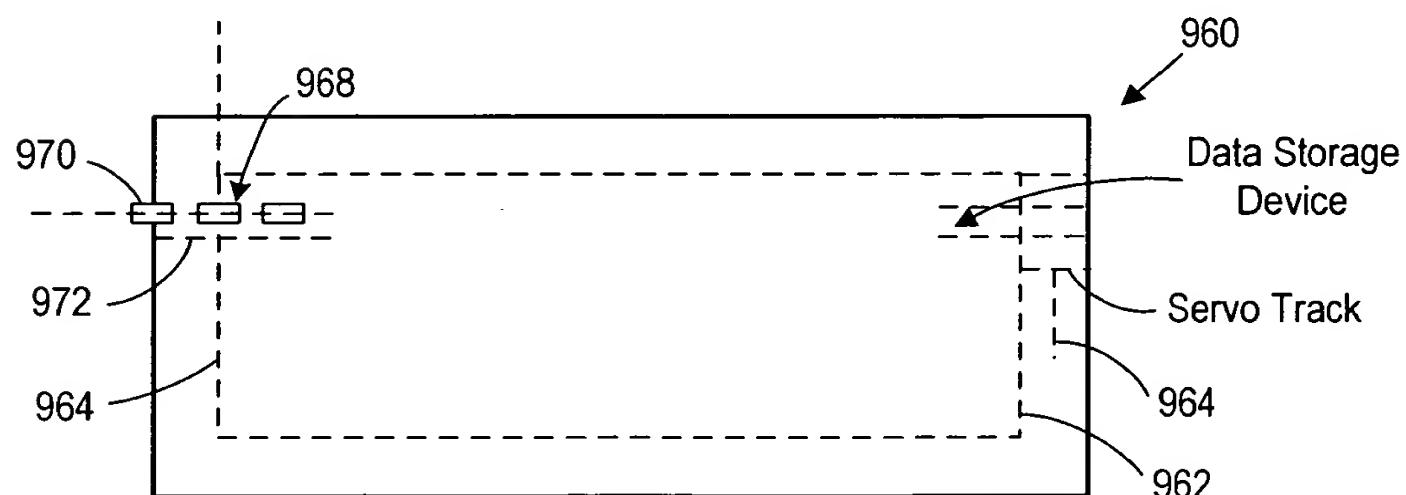


Fig. 63

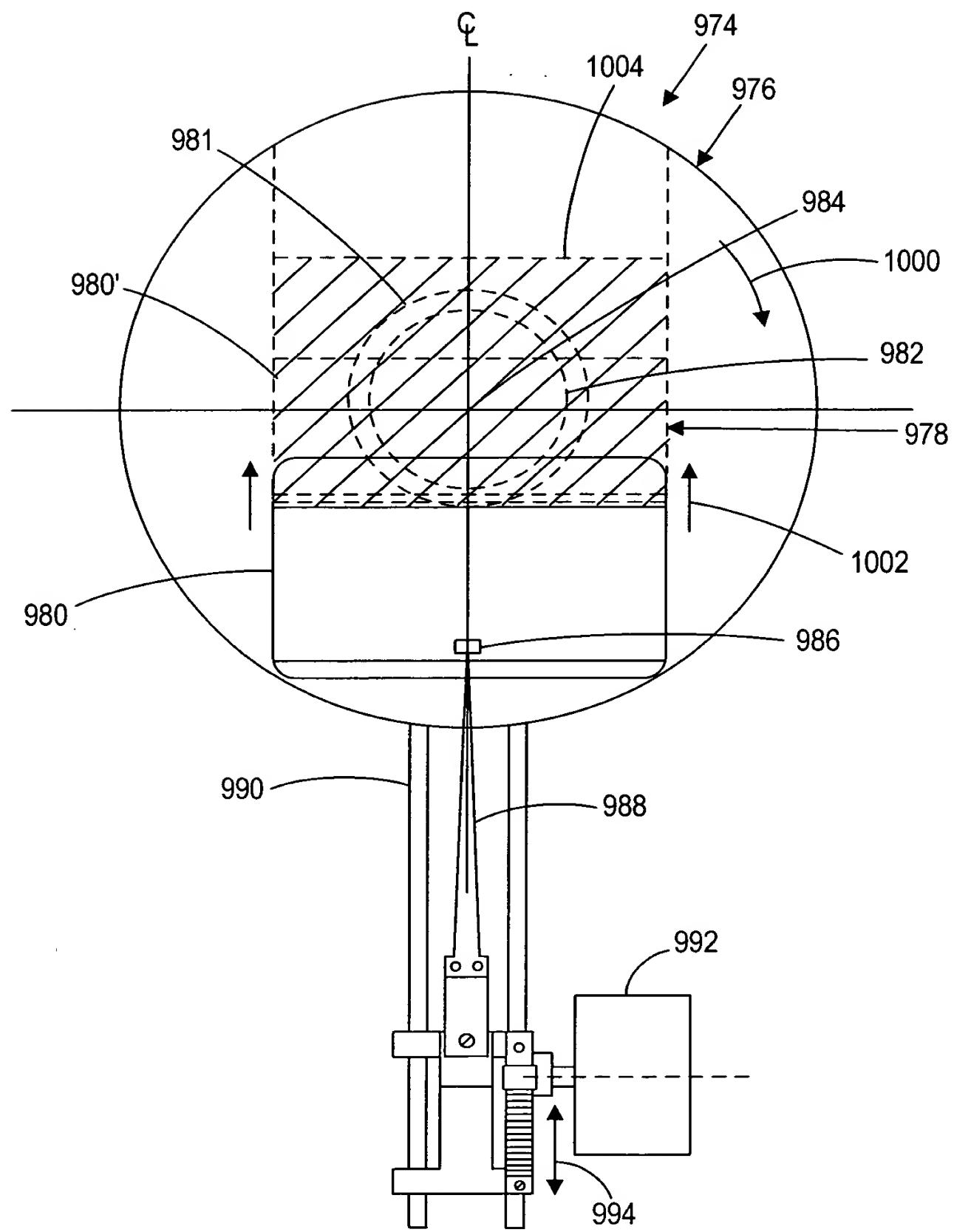


Fig. 64

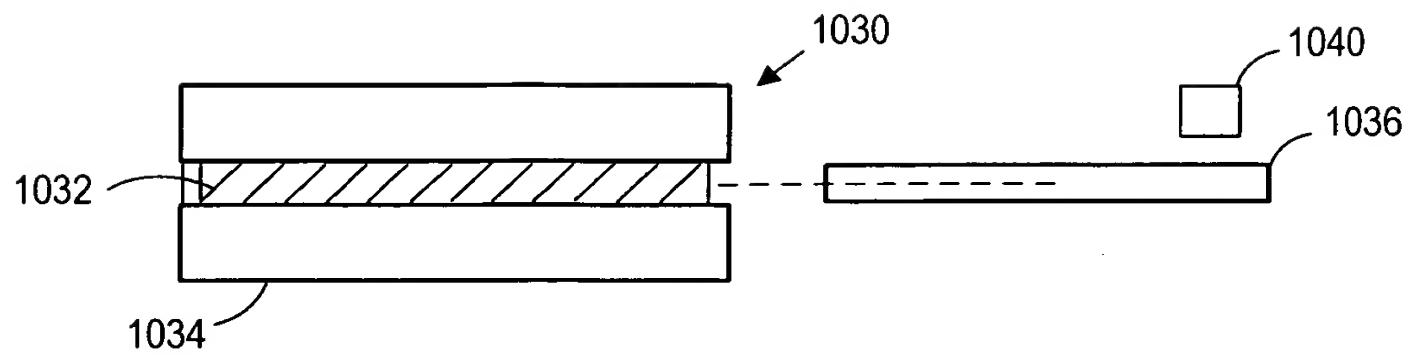


Fig. 65

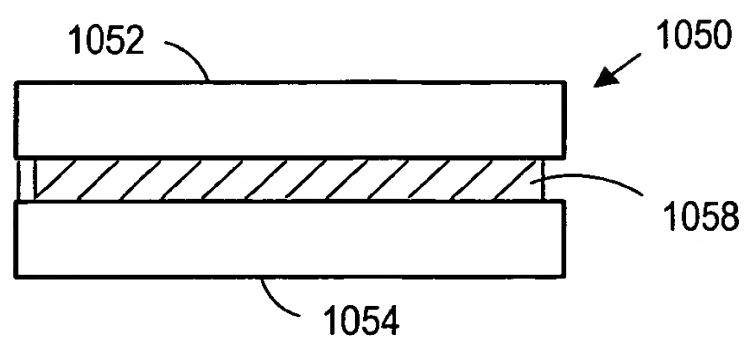


Fig. 66(A)

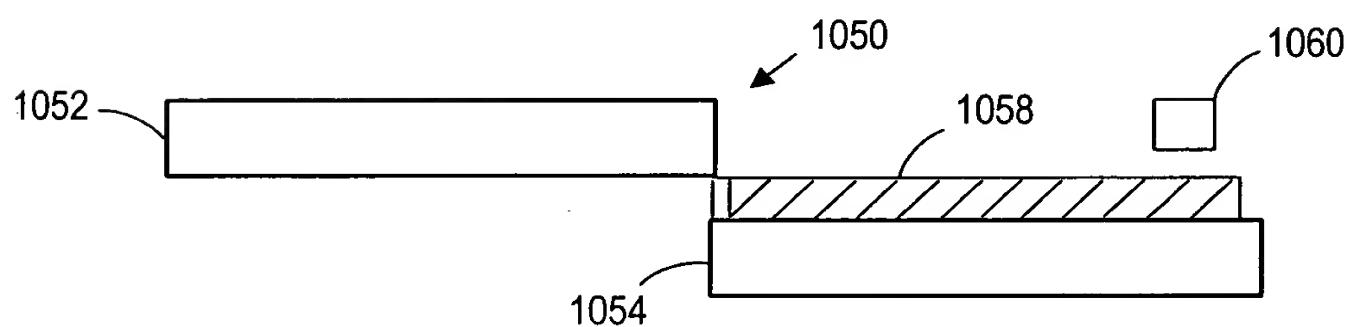


Fig. 66(B)

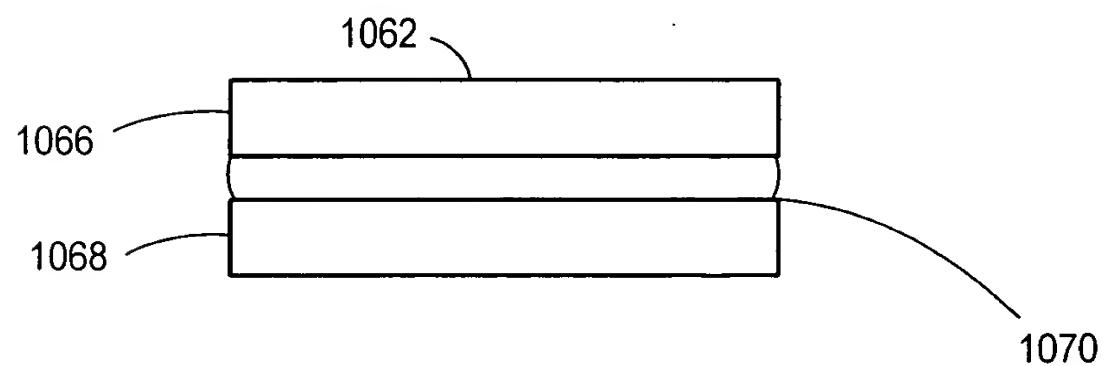


Fig. 67

Linear Down Card

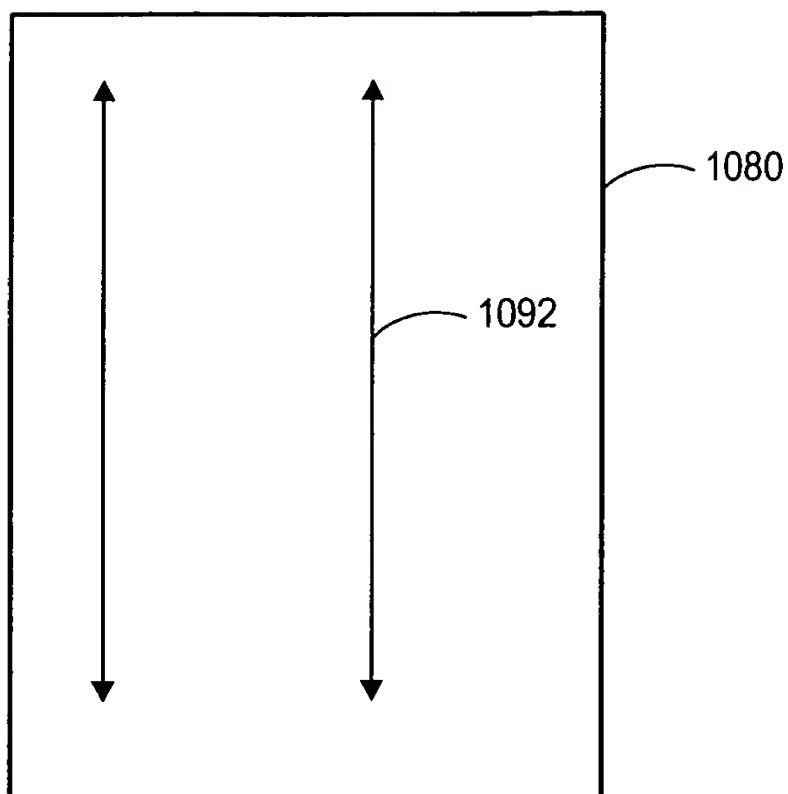


Fig. 68

Linear Cross Card

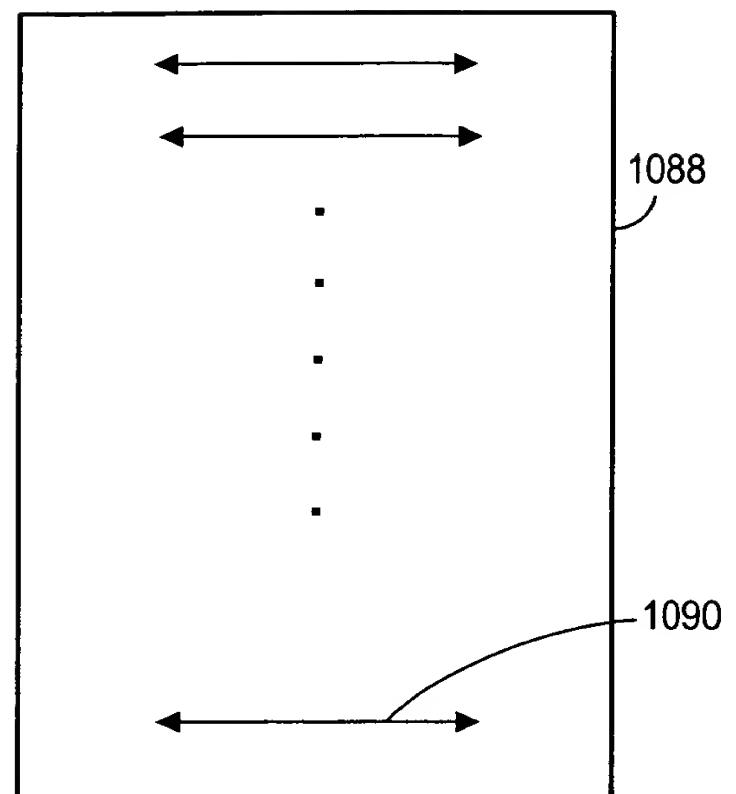


Fig. 69

Rotating

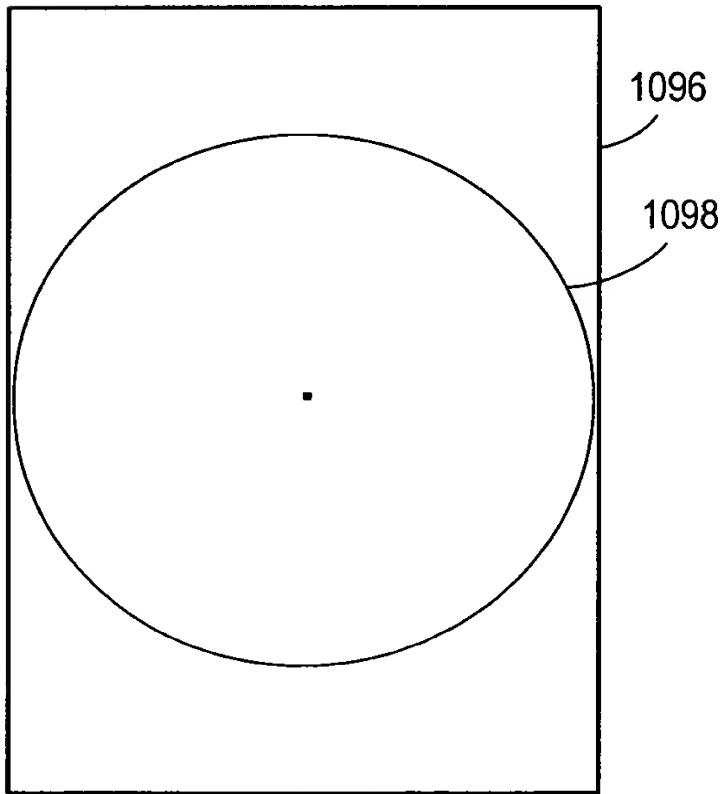


Fig. 70

Arcurate Cross Card

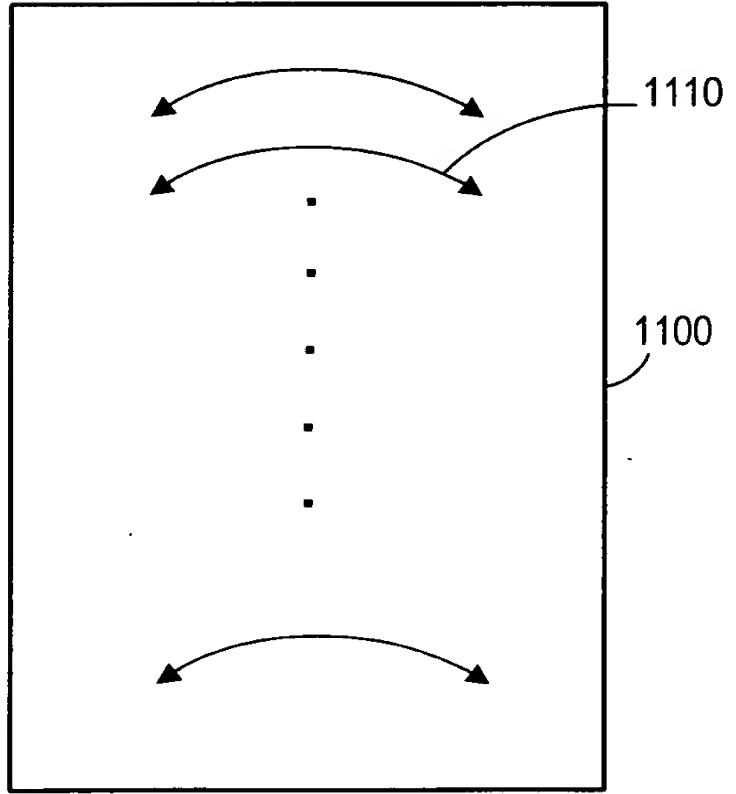


Fig. 71

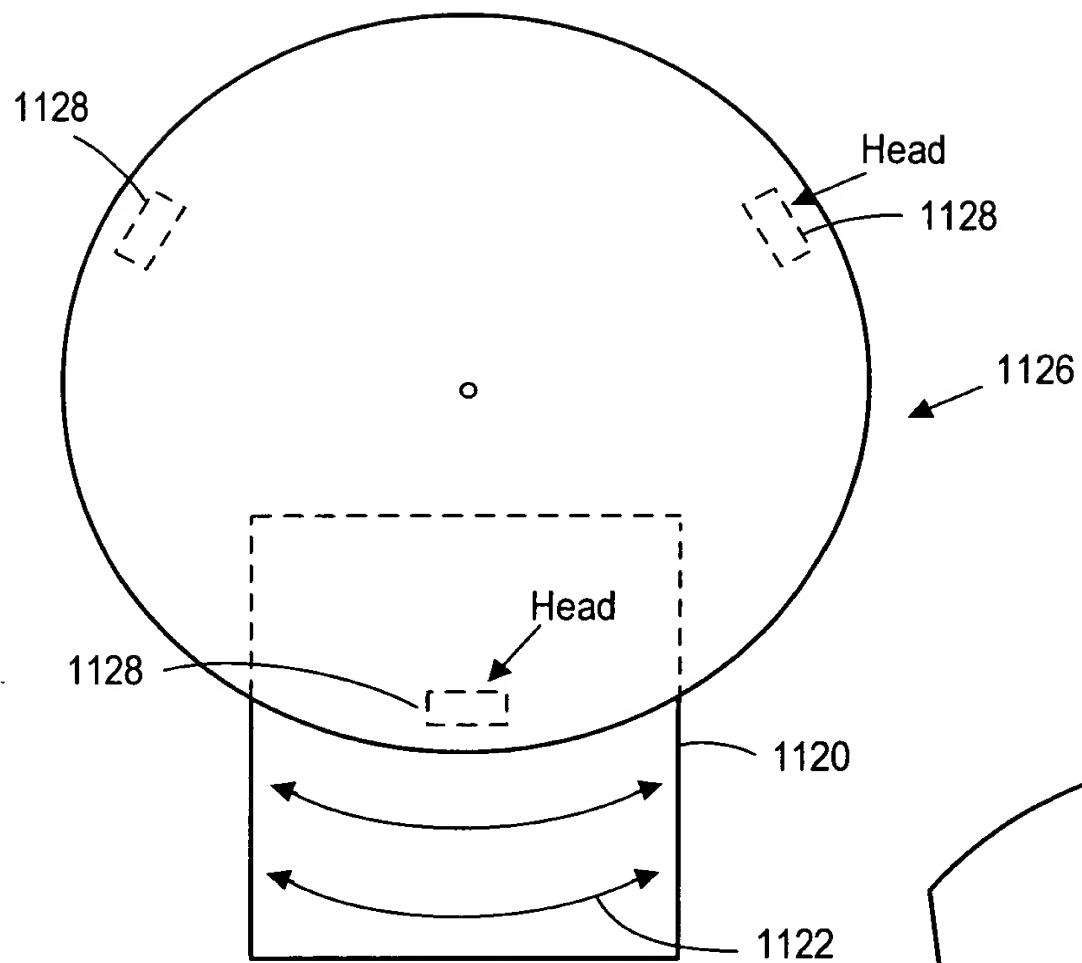
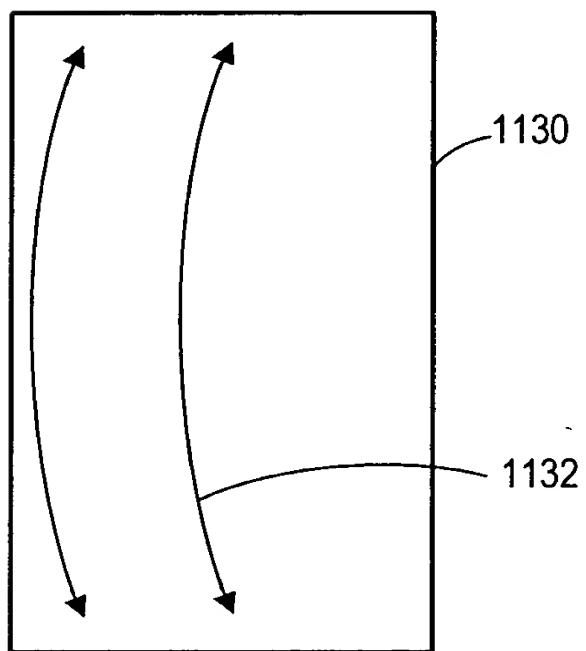
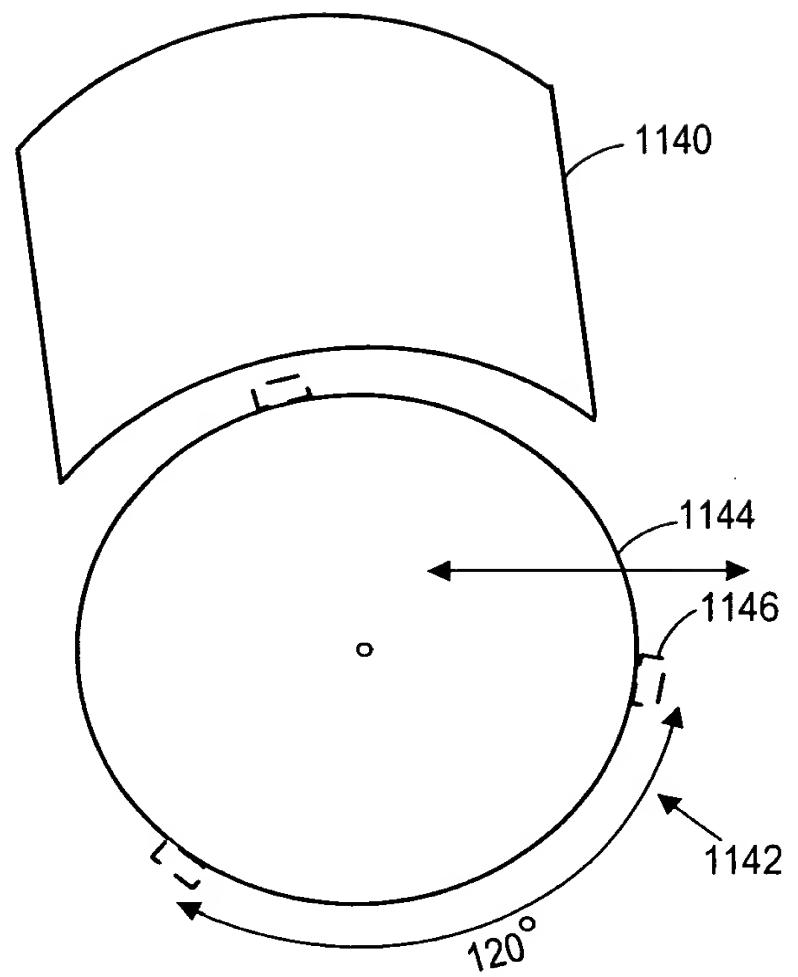


Fig. 72



Accurate Down Card



Rotating Scanner

Fig. 74

Fig. 73